





MATERIAL SAFETY DATA SHEET

POLYKLEAR PET FOAM BOARD P90

SECTION1: Identification of the substance /undertaking

1.1 Product identity

POLYKLEAR PET FOAM BOARD P90

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses of the substance or mixture

Technical and structural insulation

Structural foam core

Uses advised against

No data available.

SECTION2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008(CLP).

2.2 Label elements

FIRERGLASS - RESIN

Not relevant

2.3 Other hazards

Poly Klea

The product may contain residual amounts of blowing agent (hydrocarbon).

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inquiry@olympus.com.ph



Polu Kle









The product may contain residual PET dust or release PET dust during post-operations (e.g. cutting, milling, grinding).

SECTION3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance

3.2 Mixtures

Chemical characterization

Polyethylene Terephthalate Foam

Hazardous ingredients

This product does not contain substances to be mentioned according to EU Regulation 1907/2006 (REACH), annex II

SECTION4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes and launder thoroughly before reusing.

After inhalation

Ensure supply of fresh air.

After skin contact

When in contact with the skin, clean with soap and water.

After eye contact

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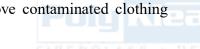


























Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

After ingestion

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam; Water spray jet; extinguishing powder; Carbon dioxide

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

In case of combustion use a suitable breathing apparatus.

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SECTION6: Accidental release

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8.

For emergency responders

Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION7: Handling and storage

7.1 Precautions for safe handling

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Do not inhale dust. Avoid contact with eyes.

Advice on protection against fire and explosion

No special measures necessary.



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7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Care on the danger of electrostatic charges, when stored in very dry areas.

7.3 Specific end use(s)

No data available.

SECTION8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye/face protection

Safety glasses (EN 166)

Hand protection

In case of intensive contact, wear protective gloves (EN 374). Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective

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gloves. Protective gloves shall be replaced immediately when physically damaged or worn. The design operations thus to avoid permanent use of protective gloves

Environmental exposure controls

No data available.

SECTION9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour	solid / white		
Odour	odourless	Polu	Klear
Odour threshold	No data available	FIBERGLA	SE + RESIN
pH value	No data available		
Boiling point / boiling range	No data available		
Melting point / melting range	250	Polu	Klear
Decomposition point / decomposition range	350	FLBERGLA	SS - RESIN
Flash point	No data available		
Auto-ignition temperature	No data available		
Oxidising properties	No data available	Poly	Klear
Explosive properties	No data available	FIBERGLA	SS + HESIN
Flammability (solid, gas)	No data available		
Lower flammability or explosive limits	No data available		
Upper flammability or explosive limits	No data available	Dolu	//
Vapour pressure	No data available	HOIL	Medi

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Klear	Polu	Klear
Vapour density	No data available	ASS - MESIN
Evaporation rate	No data available	
Relative density	No data available	
Density Value/ Method	95-105 kg/m³/ISO 845	
Solubility in water/ Reference temperature	insoluble, 20	Klear
Partition coefficient: n-octanol/water	No data available	
Viscosity	No data available	
Other information	No data available	Klear

SECTION10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7)

10.3 Possibility of hazardous reactions

None, if handled according to order.

10.4 Conditions to avoid

Contact with open flames.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

Carbon dioxide; Carbon monoxide; acetaldehyde; Formaldehyde; acidic gases/vapours

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SECTION11: toxicological information



11.1 Information on toxicological effects

		_
Acute oral toxicity	No data available	
Acute dermal toxicity	No data available	
Acute inhalational toxicity	No data available	(lear
Skin corrosion/irritation	No data available	B & RESIN
Serious eye damage/irritation	No data available	
Respiratory or skin sensitization	No data available	
Germ cell mutagenicity	No data available	lear
Reproduction toxicity	No data available	E + RESIN
Carcinogenicity	No data available	
STOT-single exposure	No data available	
STOT-repeated exposure	No data available	(lear
Aspiration hazard	No data available	S - RESIN

SECTION12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)	No data available
Toxicity to fish (chronic)	No data available
Toxicity to Daphnia (acute)	No data available
Toxicity to Daphnia (chronic)	No data available

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Klear			Klear
Toxicity to algae (acute)	No data available		
455 F RESIN		FIBERGLAS	B - MESIN
Toxicity to algae (chronic)	No data available		
Bacteria toxicity	No data available		

12.2 Persistence and degradability

No data available.

12.3 Bio accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

SECTION13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

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SECTION14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO -TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant.

SECTION15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mix ture

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorization)

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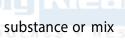


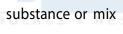


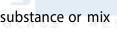


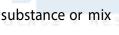


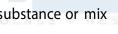


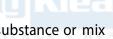


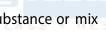


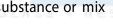


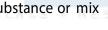


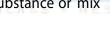


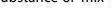


























According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorization as listed on Annex XIV of the REACH regulation (EC)1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorization

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorization) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKE T AND USE OF CERTAIN DANG **EROUS** SUBSTANCES, PREPARATIONS AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorization as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major -accident hazards involving dangerous su bstances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

No data available.

SECTION16: Other information

Further information

The information is based on our current knowledge however it does not represent a guarantee product properties nor does it create any legal obligation

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TECHNICAL DATA SHEET

POLYKLEAR PET FOAM BOARD P90



Polyklear Polyethylene Terephthalate (PET) foam board P90 is a thermoplastic that produces a lower cost, yet structurally sound core product. Polyethylene Terephthalate (PET) foams is the newest structural core materials in the composite industry. Polyethylene Terephthalate (PET) foams is the newest structural core materials in the composite industry.

A. DESCRIPTION

B. MATERIAL PROPERTIES

	Property	Standard	Unit	Average value
Po	Density	ISO 845	kg/m³	100
	Compression Strength	ISO 844	МРа	1.1
	Compression Modulus	ISO 844	MPa	100
B:E R	Shear Strength	ASTM C273	МРа	FLBEROLASS - RES
	Shear Modulus	ASTM C273	MPa	20
20	Thermal Conductivity	DIN EN 12667	W/(m·k)	Pol 0.026







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D. DIMENSIONS

	Thickness	Length	Width	BIN
Dimensions [mm]	45-55	1100-2440	1020	
Tolerances [mm]	±0.3	∄ 5	Poly 5 (lea	

E. STORAGE

POLYKLEAR PET FOAM BOARD P90 should be stored in a cool, ventilated warehouse. Away from fire and heat source and should be stored apart with antioxidant. Equipped with corresponding varieties and fire equipment

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