

PPH Pressed & Planed

Material Information



PPH Pressed & Planed

Product full identity:

Polypropylene Homopolymer Pressed and Planed

PPH offers lightweight durability, high chemical resistance, and excellent stiffness. With strong performance at elevated temperatures, it's ideal for chemical tanks, cutting boards, pumps, valves, and gaskets.

Properties

- High rigidity
- High temperature range (+100 to -0°C)
- Excellent chemical resistance
- Lightweight and weldable
- Very low moisture absorption <0.1%
- Food contact approved

Applications

- Chemical tanks
- Cutting boards
- Pumps
- Valves
- Gaskets

Forms



Sheet

PPH Pressed & Planed

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	DIN EN ISO 1183	0.91
Water absorption until saturation at 23°C	%	-	-
Maximum service temp. Upper temp limit – short term	°C	-	120
Maximum service temp. Upper temp limit – long term	°C	-	-
Lower temp limit	°C	-	0
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	DIN EN ISO 527	33
Elongation at yield	%	DIN EN ISO 527	8
Tensile strength at break	MPa	-	-
Unnotched impact strength	kJ/m ²	DIN EN ISO 179	No break
Notch impact strength	kJ/m ²	DIN EN ISO 179-1eA	9
Ball indentation / Rockwell hardness	MPa	-	-
Shore-D		DIN EN ISO 868	72
Flexural modulus of elasticity	MPa	-	-
Tensile modulus of elasticity	MPa	DIN EN ISO 527	1700
Thermal	Unit	Test Method	Result
Vicat-softening point VST/B/50	°C	-	-
Heat deflection temperature HDT/B	°C	-	-
Coefficient of linear thermal expansion 23 – 100°C	m/(m.K)	ISO 11359-2	1.6 x 10 ⁻⁴
Thermal conductivity at 23°C	W/mK	-	-
Electrical	Unit	Test Method	Result
Volume resistivity	Ω x m	-	-
Surface resistivity	Ω	DIN EN 61340	≥10 ¹³
Insulation resistivity	Ω . cm	-	-
Dielectric constant at 1MHz		-	-
Dielectric loss factor at 1MHz		-	-
Dielectric strength	kV/mm	-	-
Comparative tracking index (CTI)		-	-
Additional Data	Unit	Test Method	Result
Bondability		-	-
Food compliance – FDA		FDA	Yes
Food compliance – EU		EU	Yes
Antistatic		-	-
Flammability	Unit	Test Method	Result
Fire performance		DIN 4102	B2
Optical	Unit	Test Method	Result
N/A	N/A	N/A	N/A

All information provided in this Product Datasheet is for guide purposes only. The data has been taken from standard test results provided by our manufacturers.