



YuboPlastic

INDUSTRIAL PP-H SHEET

TECHNICAL DATA SHEET

Material: Polypropylene Homopolymer (PP-H) Sheet for Industrial Use

High rigidity

Good weldability

Chemical resistant

Corrosion resistant

Typical applications: Chemical processing, tank fabrication, ventilation systems, galvanic plants, water treatment.

Property	Test Method	Unit	Typical Value
GENERAL PROPERTIES			
Density	DIN EN ISO 1183-1	g/cm ³	>0.90
Water absorption	DIN EN ISO 62	%	0.1
Flammability (Thickness 3 mm / 6 mm)	UL 94	-	HB
MECHANICAL PROPERTIES			
Yield stress	DIN EN ISO 527	MPa	>30
Elongation at break	DIN EN ISO 527	%	>50
Tensile modulus of elasticity	DIN EN ISO 527	MPa	>1500
Notched impact strength	DIN EN ISO 179	kJ/m ²	>6
Shore hardness	DIN EN ISO 868	Shore D	>70
THERMAL PROPERTIES			
Melting temperature	ISO 11357-3	°C	162-167
Thermal conductivity	DIN 52612-1	W/(m·K)	0.20
Thermal capacity	DIN 52612	kJ/(kg·K)	1.70
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ /K	120-190
Service temperature, long term	Average	°C	0 to 100
Service temperature, short term (max.)	Average	°C	150
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	90
ELECTRICAL PROPERTIES			
Dielectric constant	IEC 60250	-	2.4
Dielectric dissipation factor (10 ⁶ Hz)	IEC 60250	-	0.00019
Volume resistivity	DIN EN 62631-3-1	Ω·cm	>10 ¹⁴
Surface resistivity	DIN EN 62631-3-2	Ω	>10 ¹⁴
Dielectric strength	IEC 60243	kV/mm	>40

Available colors: Natural / Grey. Other colors available on request.

Common forms: Extruded or pressed sheets.