

Raw Material Polypropylene (PP)

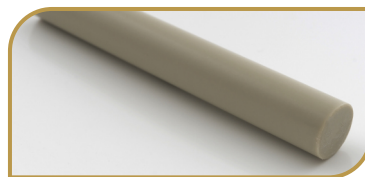
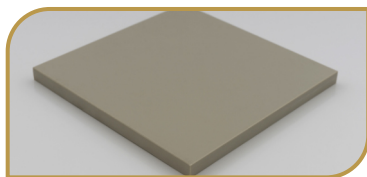
General Properties	Test Method	Unit	Value
Density	DIN 53479	g/cm ³	1.03
Molecular Weight		10 ⁶ g/mol	<0.02
Food Compliance	-	FDA/BfR	YES
Water Absorption	24h/RT	%	<0.01
UV Stability	-	-	No
Mechanical Properties			
Tensile Modules Of Elasticity	DIN EN ISO 527	N/mm ²	1400
Notched Impact Strength (Charpy)	DIN EN ISO 179	kJ/m ²	30
Shore Hardness	DIN EN ISO 868	Shore D	70
Elongation at break	DIN EN ISO 527	%	>50
Yield Stress	DIN EN ISO 527	MPa	24
Thermal Properties			
Melting Temperature	DIN 53736	°C	165
Thermal Conductivity	DIN 52612	W/m*k	0.22
Coefficient Of Linear Thermal Expansion	DIN 53752	K ⁻¹	1.3-1.8 x10 ⁻⁴
Service Temperature, Long Term	Average	°C	- 20 / + 100
Service Temperature, Short Term (MAX)	Average	°C	120
Flammability	UL 94 (3-6mm thickness)	°C	HB
Electrical Properties			
Surface Resistance	IEC 60093	Ω	10 ¹²
Insulation Resistance	IEC 60093	Ωcm	10 ¹²
Dielectric Strength	IEC 60243	KV/mm	45

Applications:

- Pipe Flangs
- Drip Trays
- Tunnel/Tank Linings
- Shower Walls
- Wall Cladding
- Fume Cupboards

Characteristics:

- Excellent Weldability
- Great Corrosion Resistance
- Rigid and Tough
- Excellent Chemical Composition



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