

PP (Polypropylene) material is tough and flexible. It also has good resistance to fatigue. It is rugged and usually resistant to many chemical solvents, bases and acids.

ELECTRICAL PROPERTIES

Surface resistivity	>10 ¹⁴ Ω (Test method: DIN EN 62631-3-2)
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PHYSICAL PROPERTIES

Specific gravity ASTM D-792	0.910 g/cc
Water absorption	<0,1 % (Test method: DIN EN ISO 62)
Water absorption, Immersion ASTM D-570(2), Saturation	<= 0.010%

THERMAL PROPERTIES

Flammability, UL 94	Value correct (In thickness 3mm/6mm)
Maximum service temperature	150 °C (Average)
Heat deflection temperature ASTM D-648 @264 psi	210°F
Melting point	162-167 °C (Test method: ISO 11357 – 3)

MECHANICAL PROPERTIES

Yield Stress	30 MPa (Testing method: DIN EN ISO 527)
Elongation at break	>50% (Testing method: DIN EN ISO 527)
Tensile modulus of elasticity	>1500 MPa (Testing method: DIN EN ISO 527)
Flexural strength ASTM D-790	4,800 psi
Flexural modulus ASTM D-790	195 ksi
Compressive strength ASTM D-695 @10% Def.	5,000 psi
Compressive modulus ASTM D-695	200 ksi
Notched Impact strength	>4 kJ/m ² (Test method: DIN EN SO 179)
Hardness	>70 scale D (Testing method: DIN EN ISO 868)

APPLICATIONS

Laboratory equipment
Automotive components
Reusable containers of various types

Table provided are general and may vary TW/TH

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