

PP / Polypropylene

Special properties

- Excellent chemical resistance
- High weldability
- High impact strength

Typical areas of application

- Chemical engineering & tankbuilding
- Ventilation & duct systems
- Pump parts

Technical Data Sheet

Physical properties	Test Standard	Value	Unit
Density	ASTM D792	0.91-0.93	g/cm ³
Water Absorption	ASTM D570	<0.10	%
Mechanical properties	Test Standard	Value	Unit
Hardness	ASTM D2240	72	Shore D
Tensile Strength at yield 23°C	ASTM D638	4700	psi
Elongation at Break	ASTM D638	>400	%
Flexural Strength	ASTM D790	180000	psi
Compressive Strength	ASTM D695	6000	psi
Coefficient of Friction, Dynamic	-	0.25-0.28	-
Izod Impact, Notched	ASTM D256	1.0	ft-lb/in
Thermal properties	Test Standard	Value	Unit
Maximum Service Temperature, Air	-	83	°C
Melting Point	ASTM D3418	163	°C
Heat Deflection Temperature	ASTM D648	100	°C
Flammability, UL94	-	HB	-
Electrical Properties	Test Standard	Value	Unit
Surface Resistivity	ASTM D257	>10 ¹⁴	Ω/cm

Note:

*The data stated above are typical values intended for reference and comparison purposes only.

*The data should not be used as a basis for design specifications or quality control.

*The information is provided as a guide to the best of our knowledge and given without obligation or liability.

*Testing under individual application circumstances is recommended.