

Technical Data Sheet

Pro-fax 6523



Polypropylene, Homopolymer

Product Description

Pro-fax 6523 general purpose polypropylene homopolymer resin is available in pellet form.

ASTM and ISO-based versions of the technical datasheet are available for *Pro-fax* 6523.

Application	Automotive Parts; Raffia/Tapes/Strapping; Thermoformed Food Containers
Market	Automotive; Consumer Products; Rigid Packaging
Processing Method	Cast Film; Injection Molding; Thermoforming
Attribute	Good Heat Aging Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	4.0	g/10 min	ASTM D1238
Density, (23 °C, Method A)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1270	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	30	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	12	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	6.7	kJ/m ²	ISO 179
Notched Izod Impact Strength, (23 °C)	6.2	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	79	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	50	°C	ISO 75A-1, -2