

Technical Data Sheet

Pro-fax 6323

Polypropylene, Homopolymer

Product Description

Pro-fax 6323 general purpose polypropylene homopolymer is available in pellet form. This resin is typically used in injection molding applications.

ASTM and ISO-based versions of the technical data sheet are available for *Pro-fax* 6323.

Application	Automotive Parts; Caps & Closures; Containers; Food Packaging Film; Sports, Leisure & Toys
Market	Automotive; Consumer Products; Flexible Packaging; Rigid Packaging
Processing Method	Cast Film; Injection Molding
Attribute	Good Heat Aging Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ASTM D1238
Density, (23 °C, Method A)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	1290	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	31	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	11	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	4.2	kJ/m ²	ISO 179
Notched Izod Impact Strength, (23 °C)	4.1	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	76	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	49	°C	ISO 75A-1, -2