

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	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	4.0	g/10 min	4.0	g/10 min	ASTM D1238
Density, (23 °C)	0.90	g/cm ³	0.90	g/cm ³	ASTM D792
Mechanical					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	200000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1380	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	4800	psi			ASTM D638
(50 mm/min)			33	MPa	ASTM D638
Tensile Elongation at Yield	12	%	12	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	1.0	ft-lb/in			ASTM D256
(23 °C, Method A)			53	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	190	°F			ASTM D648
(0.45 MPa, Unannealed)			88	°C	ASTM D648



Notes

These are typical property values not to be construed as specification limits.

Automotive Specifications

- ▶ FCA MS-DB500 CPN 1537
- ▶ Ford ESA-M4D134-A
- ▶ Ford ESF-M4D135-A
- ▶ GM GMP.PP.013
- ▶ GM GMW15702-150088-PP

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

