Technical Data Sheet

Pro-fax 7523

Polypropylene, Impact Copolymer

Product Description

Pro-fax 7523 impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers good cold temperature impact resistance.

ASTM and ISO-based versions of the technical data sheet are available for *Pro-fax* 7523.

Application	Automotive Parts; Containers; Specialty Film; Sports, Leisure & Toys
Market	Automotive; Consumer Products; Rigid Packaging
Processing Method	Cast Film; Injection Molding; Sheet and Profile Extrusion
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/cm³	0.90	g/cm³	ASTM D792
Mechanical					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	180000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1240	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	4100	psi			ASTM D638
(50 mm/min)			28	MPa	ASTM D638
Tensile Elongation at Yield	9	%	9	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	1.6	ft-lb/in			ASTM D256
(23 °C, Method A)			85	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	180	°F			ASTM D648
(0.45 MPa, Unannealed)			82	°C	ASTM D648

Notes

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

Automotive Specifications

- FCA MS-DB500 CPN 4168
- FCA MS-DB500 CPN 4467
- Ford ESB-M4D175-A
- GM GMP.PP.001