Technical Data Sheet

Pro-fax SV152

Polypropylene, Impact Copolymer

Product Description

Pro-fax SV152 is a nucleated, very high impact polypropylene copolymer available in pellet form. This resin is typically used in general extrusion and blow molding applications and offers excellent cold temperature impact resistance.

ASTM and ISO-based versions of the technical data sheet are available for *Pro-fax* SV152.

Status	Commercial: Active
Availability	North America
Application	Automotive Parts; Corrugated Sheet; Opaque Containers
Market	Automotive; Rigid Packaging
Processing Method	Extrusion Blow Molding; Sheet; Sheet and Profile Extrusion; Thermoforming
Attribute	Good Stiffness; Low Temperature Impact Resistance; Nucleated

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	1.4	g/10 min	1.4	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)	165000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1140	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	3500	psi			ASTM D638
(50 mm/min)			24	MPa	ASTM D638
Tensile Elongation at Yield	9	%	9	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	No Break				ASTM D256
(23 °C, Method A)			No Break		ASTM D256
Hardness					
Rockwell Hardness, (R-Scale)	76		76		ASTM D785
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	195	°F			ASTM D648
(0.45 MPa, Unannealed)			91	°C	ASTM D648

Notes

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

Automotive Specifications

- FCA MS-DB500 CPN 4002
- FCA MS-DB500 CPN 5055
- Ford WSK-M4D670-A
- Ford WSS-M4D1028-A2
- Ford WSS-M4D670-B1
- Ford WSS-M4D932-A1
- GM GMP.PP.021
- GM GMW17178-T1

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.