

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.

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	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	1.4	g/10 min	ASTM D1238
Density, (23 °C, Method A)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	1180	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	24	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	8	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	85	kJ/m ²	ISO 179
(-40 °C)	4.2	kJ/m ²	ISO 179
Notched Izod Impact Strength			
(23 °C)	73	kJ/m ²	ISO 180
(-40 °C)	5.8	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	78	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	49	°C	ISO 75A-1, -2