

Pro-fax SV152

Polypropylene Copolymer
LyondellBasell Industries

Message:

Pro-fax SV152 nucleated very high impact polypropylene copolymer is available in pellet form. This resin is typically used in general extrusion and blow molding applications and offers excellent cold temperature impact resistance.
An ASTM and ISO-based versions of the technical datasheet are available for Pro-fax SV152
For regulatory compliance information see Pro-fax SV152 Product Stewardship Bulletin (PSB).

General Information			
Additive	Nucleating Agent		
Features	Fast Molding Cycle		
	Good Stiffness		
	Low Temperature Impact Resistance		
	Nucleated		
	Ultra High Impact Resistance		
Uses	Automotive Applications		
	Containers		
	Corrugated Sheet		
	Industrial Applications		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Pipe Extrusion		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.898	g/cm ³	ASTM D792B
--	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.4	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	24.1	MPa	ASTM D638
Yield, 23°C	24.0	MPa	ISO 527-2
Tensile Elongation			
Yield	9.0	%	ASTM D638

Yield, 23°C	8.0	%	ISO 527-2
Flexural Modulus			
1% Secant ²	1140	MPa	ASTM D790A
23°C	1180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	4.2	kJ/m ²	
23°C	85	kJ/m ²	
Notched Izod Impact			
23°C	No Break		ASTM D256A
-40°C	4.7	kJ/m ²	ISO 180
23°C	64	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	90.6	°C	ASTM D648
0.45 MPa, Unannealed	78.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	49.0	°C	ISO 75-2/A
NOTE			
1.	51 mm/min		
2.	1.3 mm/min		

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