

Pro-fax SG899

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Pro-fax SG899 high impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers excellent cold temperature impact resistance.

An ASTM and ISO-based versions of the technical datasheet are available for Pro-fax SG899.

For regulatory compliance information see Pro-fax SG899 Product Stewardship Bulletin (PSB).

General Information			
Features	Good Colorability		
	Good Processability		
	Good Stiffness		
	High Impact Resistance		
	Impact Copolymer		
	Low Temperature Impact Resistance		
Uses	Automotive Interior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.898	g/cm ³	ASTM D792B
23°C	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	21.0	MPa	ASTM D638
Yield, 23°C	21.0	MPa	ISO 527-2
Tensile Elongation			
Yield	5.0	%	ASTM D638
Yield, 23°C	5.0	%	ISO 527-2
Flexural Modulus			
1% Secant ²	1070	MPa	ASTM D790A
23°C	1070	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	1.9	kJ/m ²	
23°C	16	kJ/m ²	
Notched Izod Impact			

23°C	210	J/m	ASTM D256A
23°C	17	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	99.0	°C	ASTM D648
0.45 MPa, Unannealed	79.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		

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