Technical Data Sheet

Pro-fax SG899

LyondellBasell

Polypropylene, Impact Copolymer

Product Description

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.

ASTM and ISO-based versions of the technical data sheet are available for *Pro-fax* SG899.

Regulatory Status

For regulatory compliance information, see *Pro-fax* SG899 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	Interior Automotive Applications
Market	Automotive
Processing Method	Compounding; Injection Molding
Attribute	Good Colorability; Good Processability; Good Stiffness; High Impact Resistance; Nucleated

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	35	g/10 min	35	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)	155000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1070	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	3100	psi			ASTM D638
(50 mm/min)			21	MPa	ASTM D638
Tensile Elongation at Yield	5	%	5	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	3.9	ft-lb/in			ASTM D256
(23 °C, Method A)			208	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	210	°F			ASTM D648
(0.45 MPa, Unannealed)			99	°C	ASTM D648

Notes

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

Automotive Specifications

- FCA MS-DB500 CPN 3560
- FCA MS-DB500 CPN 4382
- Ford WSB-M4D638-A
- GM GMP.PP.033
- GM GMW16208-T3

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.

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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