Technical Data Sheet

Pro-fax SG802N

Polypropylene, Impact Copolymer

Product Description

Pro-fax SG802N high impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers very good cold temperature impact resistance.

ASTM and ISO-based versions of the technical data sheet are available for *Pro-fax* SG802N.

Regulatory Status

For regulatory compliance information, see *Pro-fax* SG802N Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	Interior Automotive Applications; TWIM Food Containers; Underhood
Market	Automotive; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	Low Temperature Impact Resistance; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	35	g/10 min	ASTM D1238
Density, (23 °C, Method A)	0.90	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	1120	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	21	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	11	kJ/m²	ISO 179
(-30 °C)	4.5	kJ/m²	ISO 179
Notched Izod Impact Strength			
(23 °C)	12	kJ/m²	ISO 180
(-40 °C)	5.3	kJ/m²	ISO 180
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	83	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	50	°C	ISO 75A-1, -2
Additional Information			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shinkage recommendations.			

Manufacturer website: https://www.lyondellbasell.com/en/

Notes

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

Automotive Specifications

- FCA MS-DB500 CPN 3560
- FCA MS-DB500 CPN 3562
- Ford WSB-M4D638-A
- Ford WSS-M4D638-B
- GM GMP.PP.002
- GM GMP.PP.006
- GM GMP.PP.033
- GM GMP.PP.096
- GM GMW16007
- GM GMW16008-T2
- GM GMW16208-T1
- Opel QK003761

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/.

© LyondellBasell Industries Holdings, B.V. 2026

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.