Technical Data Sheet

Pro-fax SD242

Polypropylene, Impact Copolymer

Product Description

Pro-fax SD242 nucleated impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers an excellent stiffness/impact balance.

ASTM and ISO-based versions of the technical data sheet are available for *Pro-fax* SD242.

Regulatory Status

For regulatory compliance information, see *Pro-fax* SD242 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	Interior Automotive Applications; TWIM Food Containers
Market	Automotive; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	General Purpose; 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)	1470	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	27	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	4.8	kJ/m²	ISO 179
(-40 °C)	1.7	kJ/m²	ISO 179
Notched Izod Impact Strength			
(23 °C)	4.8	kJ/m²	ISO 180
(-40 °C)	3.0	kJ/m²	ISO 180
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	91	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	53	°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
- GM GMP.PP.096
- GM GMW16208-T2

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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