Technical Data Sheet

Pro-fax 6523

Polypropylene, Homopolymer

Product Description

Pro-fax 6523 general purpose polypropylene homopolymer resin is available in pellet form.

ASTM and ISO-based versions of the technical datasheet are available for *Pro-fax* 6523.

Regulatory Status

For regulatory compliance information, see *Pro-fax* 6523 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	Automotive Parts; Raffia/Tapes/Strapping; Thermoformed Food Containers
Market	Automotive; Consumer Products; Rigid Packaging
Processing Method	Cast Film; Injection Molding; Thermoforming
Attribute	Good Heat Aging Resistance

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	4.0	g/10 min	4.0	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)	200000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1380	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	4800	psi			ASTM D638
(50 mm/min)			33	MPa	ASTM D638
Tensile Elongation at Yield	12	%	12	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	1.0	ft-lb/in			ASTM D256
(23 °C, Method A)			53	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	190	°F			ASTM D648
(0.45 MPa, Unannealed)			88	°C	ASTM D648

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 1537
- Ford ESA-M4D134-A
- Ford ESF-M4D135-A
- GM GMP.PP.013
- GM GMW15702-150088-PP

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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