Technical Data Sheet

Pro-fax HP525J

Polypropylene, Homopolymer

Product Description

Pro-fax HP525J is a polypropylene homopolymer typically used in the production of biaxially oriented polypropylene films (BOPP). The product is suitable for metallizable film, both as monolayer and in coextruded structures. It contains a standard processing stabilization but does not contain any slip, antiblocking agents and no Calcium Stearate is intentionally added. *Pro-fax* HP525J offers good optical, easy processing and very good film profile. Typical applications are BOPP packaging films and Solid Phase Thermoforming sheets.

Regulatory Status

For regulatory compliance information, see *Pro-fax* HP525J Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS). To obtain copies of these documents, please contact your LyondellBasell product safety representative.

Status	Commercial: Active
Availability	North America
Application	Food Packaging Film; Thermoformed Food Containers
Market	Flexible Packaging
Processing Method	BOPP; Thermoforming
Attribute	Good Processability; High Clarity; High Gloss; Homopolymer; Medium Flow

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	3.0	g/10 min	3.0	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)	218000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1500	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	5100	psi			ASTM D638
(50 mm/min)			35	MPa	ASTM D638
Tensile Elongation at Yield	11	%	11	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	0.8	ft-lb/in			ASTM D256
(23 °C, Method A)			43	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	203	°F			ASTM D648
(0.45 MPa, Unannealed)			95	°C	ASTM D648

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

Notes

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

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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