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

Notes

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