

Technical Data Sheet

Pro-fax HP749R



Polypropylene, Homopolymer

Product Description

Pro-fax HP749R is a polypropylene homopolymer nucleated for faster cycle times. It contains anti-stat and is available in pellet form. This resin is typically used in injection molding applications such as caps and closures, containers and housewares.

Regulatory Status

For regulatory compliance information, see *Pro-fax* HP749R [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial
Availability	North America
Application	Appliances; Caps & Closures; Containers; Housewares
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistat; Fast Cycle (Production); High Stiffness; Nucleated

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	20	g/10 min	20	g/10 min	ASTM D1238
Density, (23 °C)	0.90	g/cm ³	0.90	g/cm ³	ASTM D792
Mechanical					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	250000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1720	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	5500	psi			ASTM D638
(50 mm/min)			37.9	MPa	ASTM D638
Tensile Elongation at Yield	9	%	9	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	0.6	ft-lb/in			ASTM D256
(23 °C, Method A)			32	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	240	°F			ASTM D648
(0.45 MPa, Unannealed)			116	°C	ASTM D648

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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