

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.

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