

Technical Data Sheet

Pro-fax RP512H



Polypropylene, Random Copolymer

Product Description

Pro-fax RP512H polypropylene random copolymer is available in pellet form. This resin is typically used in extrusion applications such as blow molding, thermoforming, and sheet extrusion.

Application	Bottles For Consumer Goods; Clear Containers
Market	Rigid Packaging
Processing Method	Extrusion Blow Molding; Extrusion Flat-die; Injection Blow Molding; Sheet; Thermoforming
Attribute	Contains Antistat; High Clarity; Random Copolymer

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	2.0	g/10 min	2.0	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)	150000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1030	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	4100	psi			ASTM D638
(50 mm/min)			28	MPa	ASTM D638
Tensile Elongation at Yield	13	%	13	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	7.0	ft-lb/in			ASTM D256
(23 °C, Method A)			370	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	165	°F			ASTM D648
(0.45 MPa, Unannealed)			74	°C	ASTM D648
Optical					
Haze, (45 mil)	13	%	13	%	ASTM D1003