

Technical Data Sheet

Pro-fax RP944H



Polypropylene, Random Copolymer

Product Description

Pro-fax RP944H clarified polypropylene random copolymer is available in pellet form. This resin is typically used in sheet extrusion/thermoforming and other rigid packaging applications.

Market Rigid Packaging

Processing Method Thermoforming

Attribute High Clarity

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	2.4	g/10 min	2.4	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)	238000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1640	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	5300	psi			ASTM D638
(50 mm/min)			36.6	MPa	ASTM D638
Tensile Elongation at Yield	10	%	10	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	1.3	ft-lb/in			ASTM D256
(23 °C, Method A)			69	J/m	ASTM D256
Optical					
Haze	22	%	22	%	ASTM D1003