Technical Data Sheet

Pro-fax EP713H

Polypropylene, Impact Copolymer

Product Description

Pro-fax EP713H nucleated high impact polypropylene copolymer is available in pellet form. This resin is typically used in extrusion applications such as thermoforming, blow molding, and sheet extrusion.

Application	Bottles For Consumer Goods; Corrugated Sheet; Panels & Profiles; Thermoformed Food Containers
Market	Rigid Packaging
Processing Method	Extrusion Blow Molding; Sheet and Profile Extrusion; Thermoforming
Attribute	High Stiffness; Low Temperature Impact Resistance; Nucleated

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	1.8	g/10 min	1.8	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)	220000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1520	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	4300	psi			ASTM D638
(50 mm/min)			30	MPa	ASTM D638
Tensile Elongation at Yield	7	%	7	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	4.0	ft-lb/in			ASTM D256
(23 °C, Method A)			214	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	223	°F			ASTM D648
(0.45 MPa, Unannealed)			106	°C	ASTM D648