

Technical Data Sheet

Pro-fax EP611H



Polypropylene, Impact Copolymer

Product Description

Pro-fax EP611H high impact polypropylene copolymer is available in pellet form. This resin is typically used in extrusion applications, including corrugated board, and offers very good stiffness/low temperature impact balance.

Application	Corrugated Sheet; Industrial Packaging; Specialty Film
Market	Flexible Packaging; Industrial Packaging; Rigid Packaging
Processing Method	Sheet and Profile Extrusion
Attribute	Durable; Good Dimensional Stability; Good Stiffness; Low Temperature Impact Resistance

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/cm ³	0.90	g/cm ³	ASTM D792
Mechanical					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	205000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1410	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	8	%	8	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	2.8	ft-lb/in			ASTM D256
(23 °C, Method A)			150	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	187	°F			ASTM D648
(0.45 MPa, Unannealed)			86	°C	ASTM D648