Technical Data Sheet

Pro-fax EP348T

Polypropylene, Impact Copolymer

Product Description

Pro-fax EP348T high flow polypropylene impact copolymer is available in pellet form. This resin is typically used in thin-wall injection molding applications and offers very good cold temperature impact resistance.

Application	TWIM Food Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistat; Good Mold Release; High Impact Resistance; Nucleated

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	50	g/10 min	50	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)	160000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1090	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	3100	psi			ASTM D638
(50 mm/min)			21	MPa	ASTM D638
Tensile Elongation at Yield	5	%	5	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	2.3	ft-lb/in			ASTM D256
(23 °C, Method A)			123	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	219	°F			ASTM D648
(0.45 MPa, Unannealed)			104	°C	ASTM D648