Technical Data Sheet

Pro-fax EP495K

Polypropylene, Impact Copolymer

Product Description

Pro-fax EP495K nucleated, very high impact polypropylene copolymer is available in pellet form. This resin is typically used in extrusion or injection molding applications and offers excellent low temperature impact resistance.

Application	Crates; Pallets/Trays/Tote Bins
Market	Consumer Products; Industrial Packaging
Processing Method	Injection Molding; Sheet and Profile Extrusion
Attribute	Antistatic; 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)	4.0	g/10 min	4.0	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)			1100	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	3400	psi			ASTM D638
(50 mm/min)			23.5	MPa	ASTM D638
Tensile Elongation at Yield	7	%	7	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	No Break				ASTM D256
(23 °C, Method A)			No Break		ASTM D256
Gardner Impact, (-22 °F, Geometry GC)	200	in-lbs	22	J	ASTM D5420
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	215	°F			ASTM D648
(0.45 MPa, Unannealed)			102	°C	ASTM D648