



Pro-fax EP549U

Polypropylene, Impact Copolymer

Product Description

Pro-fax EP549U 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 stiffness/impact balance.

For regulatory compliance information see Pro-fax EP549U Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	North America
Processing Methods	Injection Molding
Features	Antistatic, High Flow , Good Impact Resistance , Nucleated, Good Stiffness
Typical Customer Applications	TWIM Food Containers

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity Note: 23/23°C Method B	ASTM D 792	0.90	g/cm³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	80	g/10 min
Mechanical			
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1.3 mm/min, 1% Secant, Procedure A)	ASTM D 790	180000	psi
		1240	MPa
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	3500	psi
		24	MPa
Tensile Elongation @ Yield Note: (2 in/min)	ASTM D 638	4	%
Impact			
Notched Izod Impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	1.7	ft-lb/in
		91	J/m
Thermal			
Deformation Temperature Under Load (66 psi) (0.45 MPa) Note: Unannealed	ASTM D 648	226	°F
		108	°C

Notes

Typical properties; not to be construed as specifications.