



Pro-fax Ultra SC973Y

Polypropylene, Impact Copolymer

Product Description

Pro-fax Ultra SC973Y high melt flow, impact polypropylene copolymer is available in pellet form. This resin is typically used in thin-wall injection molding applications and offers a very good stiffness/impact balance.

For regulatory compliance information see Pro-fax Ultra SC973Y 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	Multi Media Packaging, TWIM Food Containers

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity <i>Note: 23/23°C, Method B</i>	ASTM D 792	0.90	
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	107	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	205000 1415	psi MPa
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	3800 26	psi MPa
Tensile Elongation @ Yield	ASTM D 638	4	%
Impact			
Notched Izod Impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	0.7 37	ft-lb/in J/m
Thermal			
Deformation Temperature Under Load (66 psi) (0.45 MPa) <i>Note: Unannealed</i>	ASTM D 648	243 117	°F °C

Notes

Typical properties; not to be construed as specifications.