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 *Note*: 23/23°C, Method B	ASTM D 792	0.90	
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	107	g/10 min
Mechanical			
Flexural Modulus	ASTM D 790		
(0.05 in/min, 1% Secant, Procedure A)		205000	psi
(1.3 mm/min, 1% Secant, Procedure A)		1415	MPa
Tensile Strength @ Yield	ASTM D 638		
(2 in/min)		3800	psi
(50 mm/min)		26	MPa
Tensile Elongation @ Yield	ASTM D 638	4	%
Impact			
Notched Izod Impact	ASTM D 256		
(73 °F, Method A)		0.7	ft-lb/in
(23 °C, Method A)		37	J/m
Thermal			
Deformation Temperature Under Load	ASTM D 648		
(66 psi)		243	°F
(0.45 MPa)		117	°C
Note: Unannealed			

Notes

Typical properties; not to be construed as specifications.