



## 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

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

Typical Properties	Method	Value	Unit
<b>Physical</b>			
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
<b>Mechanical</b>			
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	%
<b>Impact</b>			
Notched Izod Impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	0.7 37	ft-lb/in J/m
<b>Thermal</b>			
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.