

# Pro-fax Ultra SC973Y

Polypropylene Impact Copolymer

LyondellBasell Industries

## Message:

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)

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Good Impact Resistance		
	Good Stiffness		
	High Flow		
	Impact Copolymer		
	Nucleated		
Uses	Containers		
	Media Packaging		
	Thin-walled Containers		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm <sup>3</sup>	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	110	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	26.0	MPa	ASTM D638
Tensile Elongation (Yield)	4.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>2</sup>	1420	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	117	°C	ASTM D648
NOTE			

1.	50 mm/min
2.	1.3 mm/min

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