

Pro-fax SR257M

Polypropylene Random Copolymer
LyondellBasell Industries

Message:

Pro-fax SR257M clarified polypropylene random copolymer is available in pellet form. This resin is typically used in blow molding and extrusion applications and offers excellent see-through and contact clarity.
For regulatory compliance information see Pro-fax SR257M Product Stewardship Bulletin (PSB).

General Information			
Additive	Clarifier		
Features	Contact Clarity		
	Good Colorability		
	High Clarity		
	Low Temperature Toughness		
	Random Copolymer		
Uses	Blow Molding Applications		
	Bottles		
	Caps		
	Closures		
	Containers		
	Film		
	Laminates		
	Pouches - Flexible Packaging		
	Profiles		
Forms	Pellets		
Processing Method	Blow Molding		
	Blown Film		
	Compression Molding		
	Extrusion		
	Extrusion Blow Molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	30.0	MPa	ASTM D638
Tensile Elongation (Yield)	14	%	ASTM D638

Flexural Modulus - 1% Secant ²	1110	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	370	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	74.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze	9.0	%	ASTM D1003
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		

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