

Pro-fax RP735S

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Pro-fax RP735S clarified, easy molding high melt flow polypropylene random copolymer resin is available in pellet form. This resin is typically used in injection molding applications requiring good see-through and contact clarity, along with excellent impact resistance.

For regulatory compliance information see Pro-fax RP735S Product Stewardship Bulletin (PSB).

General Information			
Additive	Clarifier		
Features	Contact Clarity		
	Good Moldability		
	High Clarity		
	High Flow		
	High Impact Resistance		
	Opticals		
	Random Copolymer		
Uses	Household Goods		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm³	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	38	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	26.9	MPa	ASTM D638
Tensile Elongation ² (Yield)	14	%	ASTM D638
Flexural Modulus - 1% Secant ³	965	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256A
Gardner Impact (23°C)	20.3	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	74.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze (1140 µm)	11	%	ASTM D1003
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.0 mm/min		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

