

Pro-fax RP320N

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Pro-fax RP320N barefoot polypropylene random copolymer is available in pellet form. This resin is typically used in cast film applications and offers exceptional clarity and gloss, as well as improved cold temperature impact resistance and broader heat seal range compared to homopolymer polypropylene.
For regulatory compliance information see Pro-fax RP320N Product Stewardship Bulletin (PSB).

General Information			
Features	Broad Seal Range		
	Good Heat Seal		
	Good Processability		
	High Clarity		
	High Gloss		
	Low Temperature Impact Resistance		
	Opticals		
	Random Copolymer		
Uses	Bags		
	Cast Film		
	Film		
	Food Packaging		
	Microfoamed Sheet		
	Packaging		
	Pouches - Flexible Packaging		
	Sheet		
	Stationary Supplies		
Forms	Pellets		
	Cast Film		
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)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus - 1% Secant ²	930	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	48	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	77.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		

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