

LyondellBasell Pro-faxâ„¢ RP320N Polypropylene Copolymer

Category : Polymer , Film , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Description: Pro-faxâ„¢ RP320N is a barefoot polypropylene random copolymer designed for cast film packaging applications. Cast film made with this resin has exceptional clarity and gloss, as well as improved cold temperature impact resistance and broader heat seal range compared to homopolymer polypropylene. Pro-faxâ„¢ RP320N resin meets FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for all food contact, including cooking applications. All ingredients meet the chemical registration requirements of TSCA (U.S.) and DSL (Canada). Uses: Clear sheet, food packaging, bags

Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Pro-fax-RP320N-Polypropylene-Copolymer.php

| Physical Properties | Metric | English | Comments |
|---------------------|---------------------------------------|---------------------------------------|-------------------------|
| Density | 0.900 g/cc | 0.0325 lb/in ³ | ASTM D792 |
| Melt Flow | 12 g/10 min | 12 g/10 min | Condition L; ASTM D1238 |
| | @Load 2.16 kg, Temperature 230 Â°C | @Load 4.76 lb, Temperature 446 Â°F | |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------|---------------|-----------------------------------|
| Hardness, Rockwell R | 81 | 81 | ASTM D 785 |
| Tensile Strength, Yield | 27.6 MPa | 4000 psi | ASTM D 638 |
| Elongation at Yield | 13 % | 13 % | ASTM D 638 |
| Flexural Modulus | 0.924 GPa | 134 ksi | 1% Secant, 0.05 in/min; ASTM D790 |
| Izod Impact, Notched | 0.587 J/cm | 1.10 ft-lb/in | 73Â°F; ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|--|----------|---------|-----------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 81.1 Â°C | 178 Â°F | Unannealed; ASTM D648 |

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