

## LyondellBasell Pro-fax SR549M Polypropylene Random Copolymer, Clarified

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

**Primary Processing Method:** Injection Molding and Injection Stretch Blow Molding  
**Key Features:** clarified polypropylene random copolymer resin, superior clarity, good impact and rigidity balance, good surface finish and color, low odor and low taste transfer, improved injection molding cycle times  
**Applications:** containers, housewares, bottles  
**Meets FDA requirements in 21 CFR 177.1520 for all food contact applications up to 212°F (100°C).**  
**Description:** Pro-fax SR549M clarified polypropylene random copolymer resin has good see-through and contact clarity in injection molding and injection stretch blow molding applications. This resin meets FDA requirements in the Code of Federal Regulations in 21 CFR 177.520 for all food contact, including cooking applications. All ingredients meet the chemical registration requirements of TSCA and DSL. Information provided by Montell Polyolefins. LyondellBasell is the successor company to Montell.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LyondellBasell-Pro-fax-SR549M-Polypropylene-Random-Copolymer-Clarified.php](http://www.lookpolymers.com/polymer_LyondellBasell-Pro-fax-SR549M-Polypropylene-Random-Copolymer-Clarified.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D792B
Melt Flow	11 g/10 min @Load 2.16 kg, Temperature 230 °C	11 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	ASTM D638
Elongation at Yield	13 %	13 %	ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.660 J/cm	1.24 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	84.0 °C	183 °F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	10 %	10 %	ASTM D1003A

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China