

## Ineos R35C-02 Polypropylene Random Copolymer

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

### Material Notes:

Grade R35C-02 is a high clarity, lubricated random copolymer with a high flow rate. This material is designed for high-speed injection molding of medium- to thin-walled parts requiring excellent clarity, fast cycle times, and ease of denesting. Finished parts made with R35C-02 will exhibit a bluish hue giving a look of enhanced clarity. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520. Applications: Medium- to thin-walled injection molding of multi-cavity parts Housewares and consumer products especially storage bins, containers and cups Audio and video media rigid packaging Benefits: High flow rate Fast cycling time Excellent clarity Excellent mold release and denesting of parts Good impact resistance Information provided by Ineos Olefins & Polymers USA

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-R35C-02-Polypropylene-Random-Copolymer.php](http://www.lookpolymers.com/polymer_ineos-R35C-02-Polypropylene-Random-Copolymer.php)

Physical Properties	Metric	English	Comments
Melt Flow	35 g/10 min @Load 2.16 kg, Temperature 230 °C	35 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	83.5	83.5	ASTM D785
Tensile Strength, Yield	29.6 MPa	4300 psi	ASTM D638
Elongation at Break	>= 200 %	>= 200 %	ASTM D638
Flexural Modulus	1.05 GPa	153 ksi	ASTM D790A
Izod Impact, Notched	0.603 J/cm	1.13 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	77.0 °C	171 °F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	14.3 %	14.3 %	As molded, 50-mil plaque, % Diffuse Transmittance; ASTM D1003
	16.4 %	16.4 %	ASTM standard conditioning, 50-mil plaque, % Diffuse Transmittance; ASTM D1003

Descriptive Properties	Value	Comments
Process	Injection Molding	

Descriptive Properties	Value	Comments
Region	Mexico	Bamberger Polymers Distribution
	US & Canada	Bamberger Polymers Distribution

## Contact Songhan Plastic Technology Co.,Ltd.

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