

**Ineos R55C-00 Clarified Polypropylene Copolymer**

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

Material Notes:

Grade R55C-00 is a high melt flow rate clarified and antistatic random polypropylene copolymer. It is designed for high speed injection molding of thin walled parts requiring very good mold filling capabilities, excellent clarity, fast cycle times and good stiffness-to-impact properties balance. This material meets the requirements of the US Food and Drug Administration as specified in 21 CFR 177.1520.

Preliminary properties listed below could later be subject to minor change.

Applications:Thin wall injection molding (TWIM) of multi-cavity partsStadium cups and containersAudio/video media rigid packaging formatsConsumer products and housewaresBenefits:High flow rate for easier mold fillingHigh clarity in thin-walled partsFast cyclingLow bloom and good static charge dissipationVery good impact resistance

Information provided by Ineos Olefins & Polymers USA

Order this product through the following link:  
[http://www.lookpolymers.com/polymer\\_ineos-R55C-00-Clarified-Polypropylene-Copolymer.php](http://www.lookpolymers.com/polymer_ineos-R55C-00-Clarified-Polypropylene-Copolymer.php)

Physical Properties	Metric	English	Comments
Melt Flow	55 g/10 min	55 g/10 min	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	84.4	84.4	ASTM D785
Tensile Strength, Yield	29.3 MPa	4250 psi	ASTM D638
Flexural Modulus	1.073 GPa	155.6 ksi	ASTM D790A
Izod Impact, Notched	0.486 J/cm	0.910 ft-lb/in	1/8" (3mm) notched bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	84.7 Â°C	184 Â°F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	17.3 %	17.3 %	50-mil plaque, % Diffuse Transmittance; ASTM D1003

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

## Contact Songhan Plastic Technology Co.,Ltd.

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