

INEOS PP R55C-00

Polypropylene Random Copolymer

INEOS Olefins & Polymers USA

Message:

R55C-00 is a clarified antistatic random copolymer for thin wall molding applications 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 U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General Information			
Additive	Antistatic		
	Clarifier		
Features	Antistatic		
	Fast Molding Cycle		
	Food Contact Acceptable		
	High Clarity		
	Random Copolymer		
Uses	Thin-walled Parts		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.901	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	55	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	83		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	28.0	MPa	
Break	24.3	MPa	
Tensile Elongation ²			ASTM D638
Yield	13	%	
Break	> 800	%	
Flexural Modulus - 1% Secant	1020	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256

4°C	21	J/m	
23°C	41	J/m	
Notched Izod Impact (Area)			ASTM D256
4°C	2.10	kJ/m ²	
23°C	4.00	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	114	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	91		ASTM D2457
Haze ³ (1270 μm)	21	%	ASTM D1003
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	23°C		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

