



R55C-00 Polypropylene Random Copolymer

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.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.901 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	55 g/10 min	D1238
Injection Molded Sample			
Tensile Strength (2 in/min)			D638
@ Yield	4,060 psi	27.9 MPa	
@ Break	3,530 psi	24.3 MPa	
Elongation (2 in/min)			D638
@ Yield	12.5 %	12.5 %	
@ Break	>800 %	>800 %	
Flexural Modulus			D790A
1% Secant	148,600 psi	1,024 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.77 ft.-lbf/in	4.0 kJ/m ²	
@ 4 C	0.40 ft.-lbf/in	2.1 kJ/m ²	
Hardness			D785
Rockwell R	83	83	
Vicat Softening Point	237 F	114 C	D1525
Deflection Temperature			D648
@ 66 psi (455 kPa)	185 F	85 C	
Haze, @ 23°C, 50-mil (1.3mm) plaque,			D1003
% Diffuse Transmittance	16.5	16.5	
Gloss Units, 60° angle	91	91	D2457

¹ Typical properties will vary and are not to be used for specifications.

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Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, please refer to the Regulatory Position Statement (RPS) online at www.ineos-op.com, or call + 1-800-527-5419.

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The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The Material Safety Data Sheet (MSDS) contains the available product health and safety information for this material and can be found at www.ineos-op.com. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

The Material Safety Data Sheet for this product contains shipping descriptions and should be consulted, before transportation, as a reference in determining the proper shipping description. If the material shipped by INEOS O&P is altered or modified, different shipping descriptions may apply and the MSDS of the original material should not be used.

For additional information, samples, pricing and availability, please contact:

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