

R35C-01 Polypropylene Random Copolymer

R35C-01 is a high flow rate, high clarity random copolymer having a moderate level of antistat. In addition to clarity, its benefits include rapid molding cycles and good impact at room and refrigerator temperatures. It meets the requirements of the U.S. Food and Drug Administration, as specified in 21 CFR 177.1520. Typical applications include thin-wall rigid packaging, consumer products, housewares and medical items.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.904 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	35 g/10 min	D1238
Injection Molded Sample			
Tensile Strength (2 in./min)			D638
@ Yield	4,300 psi	29.6 MPa	
@ Break	2,560 psi	17.6 MPa	
Elongation (2 in./min)			D638
@ Yield	13.7 %	13.7%	
@ Break	>500%	>500%	
Flexural Modulus			D790A
1% Secant	158,500 psi	1,093 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.88 ft-lbf/in	4.60 kJ/m ²	
@ 4 C	0.57 ft-lbf/in	3.00 kJ/m ²	
Hardness			D785
Rockwell R	84	84	
Vicat Softening Point	267 F	130.5 C	D1525
Deflection Temperature			D648
@ 66 psi (455 kPa)	181 F	83 C	
Haze, @ 23°C, 50-mil (1.3mm) plaque,			D1003
% Diffuse Transmittance	14 %	14 %	
Gloss at 60° angle		97.9%	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 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.

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