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 Properties[1]

	Values		ASTM
	English Units	SI Units	Method
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.

Health and Safety Information

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.

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