

# 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<sup>1</sup>

	Values		ASTM Method
	English Units	SI Units	
<b>Resin</b>			
Density	—	0.904 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	35 g/10 min	D1238
<b>Injection Molded Sample</b>			
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 <sup>2</sup>	
@ 4 C	0.57 ft-lbf/in	3.00 kJ/m <sup>2</sup>	
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

<sup>1</sup> Typical properties will vary and are not to be used for specifications.