

R01C-00 Polypropylene Random Copolymer

Grade R01C-00 is a low flow rate, high clarity random copolymer designed for extrusion, thermoforming and blow molding, through it is clarifier/antistat additive combination. Applications that require good see-through clarity combined with good heat resistance and refrigerator temperature impact properties can benefit from the use of grade R01C-00. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Applications

- Thermoformed packaging (cups, containers, lidding)
- Extrusion blow molded containers and bottles
- Injection blow molded containers and bottles
- Extruded sheet and profiles

Benefits

- Excellent clarity
- Excellent processability
- Good impact resistance at room and refrigerator temperatures
- Low static charge

Typical Properties¹

Resin	Value	Method
Melt Flow Rate, 2.16 kg at 230°C, g/10 min	2.0	D1238
Injection Molded Sample		
Tensile Strength at Yield, at 23°C, psi (MPa)	4,150 (28.5)	D638
Flexural Modulus ² , at 23°C, kpsi (MPa)	145 (1,000)	D790A
Heat Deflection Temperature at 66 psi, (455 kPa), °C (°F)	72 (162)	D648
Izod Impact Strength ³ , 1/8" 3 mm notched bar, ft-lb/in (J/m)		D256
Room Temperature	9.8 (523)-Hinge Failure	
4°C (refrigerator temperature)	1.4 (75)-Complete Failure	
Haze, at 23°C, 50-mil (1.3mm) plaque, % Transmittance	11	D1003

¹Typical properties will vary within specification limits.

² 1% secant modulus. Test speed: 0.05"/min.

³ Energy: 2 ft.lb pendulum

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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, send an e-mail to: OPMSDS@innovene.com.

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