

R12C-00 Polypropylene Random Copolymer

Grade R12C-00 is a high clarity, medium flow rate random copolymer with low antistat for injection molding and stretch blow molding applications. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Applications

- Consumer products
- Housewares
- Medical
- Thin wall rigid packaging

Benefits

- Excellent clarity
- Rapid cycle times
- Good molding performance in thin-wall parts
- Good impact performance at room and refrigerator temperatures
- Low taste and odor
- Low blooming
- Microwavable

Typical Properties¹

Resin	Value	Method
Melt Flow Rate, 2.16 kg at 230°C, g/10 min	12	D1238
Injection Molded Sample		
Tensile Strength at Yield, at 23°C, psi (MPa)	4,600 (32)	D638
Flexural Modulus, at 23°C, kpsi (MPa)	200 (1,380)	D790B
Heat Deflection Temperature at 66 psi, (455 kPa), °F, (°C)	195 (90)	D648
Izod Impact Strength, 1/8" (3 mm) notched bar at 23°C, ft-lb/in (J/m)	1.9 (100)	D256
Haze, at 23°C, 50-mil (1.3mm) plaque, % Diffuse Transmittance	11	D1008
Rockwell Hardness, R scale	82	D785

¹Typical properties will vary within specification limits.