

R02C-00

POLYPROPYLENE RANDOM COPOLYMER

TECHNICAL DATASHEET

Product Description

R02C-00 is a low flow rate, high clarity random copolymer designed for sheet extrusion, thermoforming, and blow molding where improved stiffness is required. This grade meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.¹

Typical Properties²

Property	English Units	SI Units	ASTM Method
Resin Properties			
Density		0.903 g/cc	D792
Melt Flow Rate (230°C/2.16 kg)		2.3 g/10 min	D1238
Injection Molded Specimen Test			
Tensile Strength (2 in/min) @ Yield	5,230 psi	36.1 MPa	D638
Elongation (2 in/min) @ Yield	11 %	11 %	D638
Flexural Modulus, 1% Secant	211,000 psi	1,460 MPa	D790A
Notched Izod Impact Strength @ 23°C	0.8 ft-lb/in	4.3 kJ/m ²	D256
Hardness, Rockwell R	96	96	D785
HDT @ 66 psi (455 kPa)	219 °F	104 °C	D648
Haze @ 23 °C, 50-mil (1.3 mm) plaque	17 %	17 %	D1003
Shrinkage, 48 hrs. MD/TD	1.7/2.0 %	1.7/2.0 %	D955

¹Consult the Regulatory Position Statement for specific use conditions and limitations.

²Typical property values will vary and are not to be used as specification limits.