

R08G-00 Polypropylene Random Copolymer

R08G-00 is a random copolymer polypropylene for film, blow molding, expanded PP foam beads, and injection molding applications with a barefoot additive package. This resin meets the requirements of the U.S. Food and Drug administration as specified in 12 CFR 177.1520.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.899 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	8.0 g/10 min	D1238
Injection Molded Sample			
Tensile Strength (2 in/min)			D638
@ Yield	3,800 psi	26.1 MPa	
@ Break	3,600 psi	24.8 MPa	
Elongation (2 in/min)			D638
@ Yield	13.0 %	13.0 %	
@ Break	>900 %	>900 %	
Flexural Modulus			D790A
1% Secant	122,800 psi	848 MPa	
Notched Izod Impact Strength			D256
@ 23 C	1.0 ft-lbf/in	5.3 kJ/m ²	
@ 4 C	0.5 ft-lbf/in	2.8 kJ/m ²	
Hardness			D785
Rockwell R	77	77	
Vicat Softening Point	269 F	132 C	D1525
Deflection Temperature			D648
@ 66 psi (455 kPa)	174 F	79 C	
Haze, @ 23 C, 50-mil (1.3mm) plaque,			D1003
% Diffuse Transmittance	60%	60%	
Gloss at 60° angle	92	92	D2457

¹ Typical properties will vary and are not to be used for specifications.