

N20G-00 Polypropylene Impact Copolymer

N20G-00 is a high melt flow rate impact copolymer polypropylene for injection molding applications. It offers very high impact resistance and good stiffness. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.894 g/cc	D792
Melt Flow Rate, 230°C/2.16 kg	—	20 g/10 min	D1238
Injection Molded Sample			
Tensile Strength (2 in./min)			D638
@ Yield	3,050 psi	21.2 MPa	
@ Break	2,350 psi	16.2 MPa	
Elongation (2 in./min)			D638
@ Yield	7.9%	7.9%	
@ Break	>300%	>300%	
Flexural Modulus			D790A
1% Secant	132,200 psi	911 MPa	
Notched Izod Impact Strength			D256
@ 23°C	No Break	No Break	
@ -20°C	1.7 ft-lbf/in	8.8 kJ/m ²	
Hardness			
Rockwell R	67	67	D785
Vicat Softening Point	289 F	143 C	D1525
Heat Deflection Temperature			D648
@ 66 psi (455 kPa)	179 F	82 C	
@ 264 psi (1,820 kPa)	119 F	48 C	
Gloss Units, 60° angle	83	83	D2457
Instrumented Impact			D3763
@ 23 C	Ductile	Ductile	
@ -20 C	Mixed	Mixed	

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