

# N01G-02 Polypropylene Impact Copolymer

N01G-02 is a low melt flow rate polypropylene impact copolymer designed for blow molding, extrusion, and compounding applications. The grade benefits from a very high impact resistance at room and low temperatures and a general purpose additive package. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

## Typical Properties<sup>1</sup>

	Values		ASTM Method
	English Units	SI Units	
<b>Resin</b>			
Density	—	0.900 g/cc	D792
Melt Flow Rate, 230°C/2.16 kg	—	1.0 g/10 min	D1238
<b>Injection Molded Sample</b>			
Tensile Strength (2 in/min)			D638
@ Yield	3,710 psi	25.6 MPa	
@ Break	2,370 psi	16.3 MPa	
Elongation (2 in/min)			D638
@ Yield	8.2 %	8.2 %	
@ Break	285 %	285 %	
Flexural Modulus			D790A
1% Secant	174,000 psi	1,200 MPa	
Notched Izod Impact Strength			D256
@ 23 C	—	No Break	
@ -20 C	1.6 ft-lb <sub>f</sub> /in	8.7 kJ/m <sup>2</sup>	
Hardness			
Rockwell R	85	85	D785
Vicat Softening Point	304 F	151 C	D1525
Deflection Temperature			D648
@ 66 psi (455 kPa)	197 F	92 C	
@ 264 psi (1,820 kPa)	123 F	51 C	
Gloss at 60° angle	59	59	D2457
Instrumented Impact			D3763
@ 23 C	Ductile	Ductile	
@ -20 C	Ductile	Ductile	

<sup>1</sup> Typical properties will vary and are not to be used for specifications.