

N00G-01 Polypropylene Impact Copolymer

N00G-01 is a fractional melt flow impact copolymer designed for blow molding, pipe, tubing and sheet extrusion that offers a good balance between stiffness and impact. For applications requiring medium term heat aging performance, we recommend N00M-00.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.902 g/cc	D792
Melt Flow Rate, 230°C/2.16 kg	—	0.45 g/10 min	D1238
Injection Molded Sample			
Tensile Strength (2 in/min)			D638
@ Yield	3,500 psi	24.1 MPa	
@ Break	4,000 psi	27.6 MPa	
Elongation (2 in/min)			D638
@ Yield	10 %	10 %	
@ Break	900 %	900 %	
Flexural Modulus			D790A
1% Secant	170,000 psi	1,172 MPa	
Notched Izod Impact Strength			D256
@ 23 C	No Break	No Break	
@ - 20 C	2.0 ft-lbf/in	10.5 kJ/m ²	
Hardness			D785
Rockwell R	82	82	
Vicat Softening Point	307 F	153 C	D1525
Brittleness Temperature	<- 50 C	<- 50 C	ISO 812/A
Heat Deflection Temperature			D648
@ 66 psi (455 kPa)	198 F	92 C	
@ 264 psi (1,820 kPa)	135 F	57 C	
Gloss Units, 60° angle	56	56	D2457
Instrumented Impact			D3763
@ 23 C	Ductile	Ductile	
@-20 C	Ductile	Ductile	

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

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