

N01N-00 Polypropylene Impact Copolymer

N01N-00 is a high stiffness, impact copolymer specially designed for freezer-to-microwave performance. This extrusion grade resin exhibits an excellent balance of impact and stiffness properties, and combines high heat resistance with good gloss and thermoformability. 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	—	0.9060 g/cc	D792
Melt Flow Rate, 230°C/2.16 kg	—	1.9 g/10 min	D1238
Injection Molded Sample			
Tensile Strength (2 in/min)			D638
@ Yield	4,363 psi	30.1 MPa	
@ Break	2,210 psi	15.3 MPa	
Elongation (2 in/min)			D638
@ Yield	—	6.5 %	
@ Break	—	145 %	
Flexural Modulus			D790A
1% Secant	235,000 psi	1,623 MPa	
Notched Izod Impact Strength			D256
@ 23 C	—	No Break	
@ -20 C	1.0 ft-lb _f /in	5.3 kJ/m ²	
Hardness			
Rockwell R	—	95	D785
Vicat Softening Point	309 F	154 C	D1525
Deflection Temperature			D648
@ 66 psi (455 kPa)	231 F	110 C	
@ 264 psi (1,820 kPa)	141 F	60 C	
Gloss at 60° angle (GU)	—	75	D2457
Instrumented Impact			D3763
@ 23 C	—	Ductile	
@ -20 C	—	Ductile	

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