

N01N-00 Polypropylene Impact Copolymer

Grade 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 grade meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Applications

- Food service trays, containers
- Rigid packaging

Benefits

- Very broad temperature performance range
- High stiffness
- Low temperature impact
- Thermoformability

Typical Properties¹

Resin	Value	Method
Melt Flow Rate, 2.16 kg at 230°C, g/10 min	1.9	D1238
Injection Molded Sample		
Tensile at 23°C		D638
Strength at Yield, psi (MPa)	4,800 (33)	
Elongation at Break, %	>25	
Flexural Modulus, at 23°C, kpsi (MPa)	265 (1,830)	D790B
Heat Deflection Temperature at 66 psi, (455 kPa), °F (°C)	245 (118)	D648
Izod Impact Strength, 1/8" (3 mm) notched bar		D256
at 23°C, ft-lb/in (J/m)	No Break	
at -20°C, ft-lb/in (J/m)	0.7 (35)	
Rockwell Hardness, R scale	97	D785

¹Typical properties will vary within specification limits.

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