

N20N-00 Polypropylene Impact Copolymer

N20N-00 is a high impact vis-broken high melt flow rate nucleated polypropylene impact copolymer designed for injection molding applications such as crates for food transport and storage, pails, small containers, and other material-handling products. The grade contains both an antistat and a slip agent and 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	—	0.903 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	3,280 psi	22.6 MPa	
@ Break	2,400 psi	16.5 MPa	
Elongation (2 in/min)			D638
@ Yield	—	5%	
@ Break	—	50%	
Flexural Modulus			D790A
1% Secant	179,000 psi	1,230 MPa	
Notched Izod Impact Strength			D256
@ 23 C	—	No Break	
@ -20°C	1.8 ft-lb _f /in	9.3 kJ/m ²	
Hardness			
Rockwell R	—	74	D785
Vicat Softening Point	293 F	145 C	D1525
Deflection Temperature			D648
@ 66 psi (455 kPa)	210 F	99 C	
@ 264 psi (1,820 kPa)	122 F	50 C	
Gloss at 60° angle	—	43	D2457
Instrumented Impact			D3763
@ 23 C	—	Ductile	
@ -20 C	—	Ductile	

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