

# N12Z-00 Polypropylene Impact Copolymer

N12Z-00 is a medium melt flow rate, nucleated and antistatic polypropylene impact copolymer designed for injection molding applications. The grade benefits from a high stiffness, high impact resistance at room and low temperatures, excellent mold release, and good static dissipation. 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	—	0.901 g/cc	D792
Melt Flow Rate, 230°C/2.16 kg	—	12 g/10 min	D1238
<b>Injection Molded Sample</b>			
Tensile Strength (2 in./min)			D638
@ Yield	3,260 psi	22.5 MPa	
@ Break	2,610 psi	18.0 MPa	
Elongation (2 in./min)			D638
@ Yield	—	6.6 %	
@ Break	—	375%	
Flexural Modulus			D790A
1% Secant	154,000 psi	1,063 MPa	
Notched Izod Impact Strength			D256
@ 23 C	—	No Break	
@ -20 C	1.7 ft-lb <sub>f</sub> /in	8.9 kJ/m <sup>2</sup>	
Hardness			
Rockwell R	—	66	D785
Vicat Softening Point	291 F	144 C	D1525
Deflection Temperature			D648
@ 66 psi (455 kPa)	201 F	94 C	
@ 264 psi (1,820 kPa)	127 F	53 C	
Gloss at 60° angle	—	68	D2457
Instrumented Impact			D3763
@ 23 C	—	Ductile	
@ -20 C	—	Ductile	

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