

# INEOS PP N12Z-00

Polypropylene Impact Copolymer

INEOS Olefins & Polymers USA

Message:

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.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	Good Mold Release		
	High Impact Resistance		
	High Stiffness		
	Impact Copolymer		
	Low Temperature Impact Resistance		
	Medium Flow		
	Nucleated		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.901	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	66		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Yield	22.5	MPa	
Break	18.0	MPa	
Tensile Elongation <sup>2</sup>			ASTM D638
Yield	6.6	%	
Break	380	%	

Flexural Modulus - 1% Secant	1060	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-20°C)	91	J/m	ASTM D256
Notched Izod Impact (Area)			ASTM D256
-20°C	8.90	kJ/m <sup>2</sup>	
23°C	No Break		
Instrumented Impact, Ductility			ASTM D3763
-20°C	Ductile		
23°C	Ductile		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	93.9	°C	
1.8 MPa, Unannealed	52.8	°C	
Vicat Softening Temperature	144	°C	ASTM D1525
Optical	Nominal Value		Test Method
Gloss (60°)	68		ASTM D2457
NOTE			
1.	51 mm/min		
2.	51 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

