

INEOS PP N20N-00

Polypropylene Impact Copolymer

INEOS Olefins & Polymers USA

Message:

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.

General Information			
Additive	Antistatic		
	Nucleating Agent		
	Slip		
Features	Antistatic		
	Food Contact Acceptable		
	High Flow		
	High Impact Resistance		
	Impact Copolymer		
	Nucleated		
	Slip		
Uses	Containers		
	Crates		
	Pails		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.903	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	74		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	22.6	MPa	
Break	16.5	MPa	
Tensile Elongation ²			ASTM D638

Yield	5.0	%	
Break	50	%	
Flexural Modulus - 1% Secant	1230	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-20°C)	96	J/m	ASTM D256
Notched Izod Impact (Area)			ASTM D256
-20°C	9.30	kJ/m ²	
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	98.9	°C	
1.8 MPa, Unannealed	50.0	°C	
Vicat Softening Temperature	145	°C	ASTM D1525
Optical	Nominal Value		Test Method
Gloss (60°)	43		ASTM D2457
NOTE			
1.	51 mm/min		
2.	51 mm/min		

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