



INEOS PP N20N-00

INEOS Olefins & Polymers USA - Polypropylene Impact Copolymer

Tuesday, November 5, 2019

General Information

Product Description

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

Material Status	• Commercial: Active
Availability	• North America
Additive	• Antistatic • Nucleating Agent • Slip
Features	• Antistatic • High Impact Resistance • Slip • Food Contact Acceptable • Impact Copolymer • High Flow • Nucleated
Uses	• Containers • Crates • Pails
Agency Ratings	• EC 1907/2006 (REACH) • FDA 21 CFR 177.1520
RoHS Compliance	• Contact Manufacturer
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.905		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	3280	psi	ASTM D638
Tensile Strength ² (Break)	2400	psi	ASTM D638
Tensile Elongation ² (Yield)	5.0	%	ASTM D638
Tensile Elongation ² (Break)	50	%	ASTM D638
Flexural Modulus - 1% Secant	179000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-4°F)	1.8	ft-lb/in	ASTM D256
Notched Izod Impact (Area)			ASTM D256
-4°F	4.43	ft-lb/in ²	
73°F	No Break		
Instrumented Impact, Ductility			ASTM D3763
-4°F	Ductile		
73°F	Ductile		
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	74		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	210	°F	ASTM D648
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	122	°F	
Vicat Softening Temperature	293	°F	ASTM D1525

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Optical	Nominal Value	Unit	Test Method
Gloss (60°)	43		ASTM D2457

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min