

INEOS PP N01N-00

Polypropylene Impact Copolymer

INEOS Olefins & Polymers USA

Message:

N01N-00 is a high stiffness, impact copolymer specially designed for freezer-to-microwave performance. This extrusion grade resin exhibits an excellent balance of impact and stiffness properties, and combines high heat resistance with good gloss and thermoformability. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General Information			
Features	Food Contact Acceptable		
	High Heat Resistance		
	High Stiffness		
	Impact Copolymer		
	Medium Gloss		
Uses	Thermoforming Applications		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.906	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	30.1	MPa	
Break	15.2	MPa	
Tensile Elongation ²			ASTM D638
Yield	6.5	%	
Break	150	%	
Flexural Modulus - 1% Secant	1620	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-20°C)	53	J/m	ASTM D256
Notched Izod Impact (Area)			ASTM D256

-20°C	5.30	kJ/m²	
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	111	°C	
1.8 MPa, Unannealed	60.6	°C	
Vicat Softening Temperature	154	°C	ASTM D1525
Optical	Nominal Value	Test Method	
Gloss (60°)	75	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

