

INEOS PP N00N-00

Polypropylene Impact Copolymer

INEOS Olefins & Polymers USA

Message:

N00N-00 is a fractional melt flow rate high impact copolymer polypropylene specifically designed for non-pressure structured wall pipe but can also be used in other extrusion applications requiring high melt strength and high stiffness. It offers a superior balance of stiffness and impact strength as compared to competitive impact copolymers of similar melt flow rate.

General Information			
Features	Good Melt Strength		
	High Impact Resistance		
	High Stiffness		
	Impact Copolymer		
Uses	Piping		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Extrusion		
	Pipe Extrusion		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	33.9	MPa	
Break	26.2	MPa	
Tensile Elongation ²			ASTM D638
Yield	7.9	%	
Break	120	%	
Flexural Modulus - 1% Secant	1790	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	85	J/m	
23°C	950	J/m	
Notched Izod Impact (Area)			ASTM D256
-20°C	8.20	kJ/m ²	

23°C	93.4	kJ/m²	
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	114	°C	
1.8 MPa, Unannealed	60.0	°C	
Vicat Softening Temperature	159	°C	ASTM D1525
Optical	Nominal Value		Test Method
Gloss (60°)	78		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

