

INEOS PP N00M-00

Polypropylene Impact Copolymer

INEOS Olefins & Polymers USA

Message:

N00M-00 is a fractional melt flow rate, medium term heat aging high impact copolymer polypropylene for blow molding, pipe, tubing and sheet extrusion applications. It offers a superior balance of stiffness and impact strength as compared to competitive impact copolymers of similar melt flow rate. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520. This product is not recommended for taste or odor sensitive applications.

General Information	
UL YellowCard	E31830-230771
Features	Food Contact Acceptable
	High Impact Resistance
	Impact Copolymer
Uses	Blow Molding Applications
	Piping
	Sheet
	Tubing
Agency Ratings	EC 1907/2006 (REACH)
	FDA 21 CFR 177.1520
RoHS Compliance	Contact Manufacturer
Forms	Pellets
Processing Method	Blow Molding
	Pipe Extrusion
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.902	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.45	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	77		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	25.2	MPa	
Break	23.1	MPa	
Tensile Elongation ²			ASTM D638
Yield	9.6	%	

Break	480	%	
Flexural Modulus - 1% Secant	1190	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	120	J/m	
23°C	970	J/m	
Notched Izod Impact (Area) (23°C)	95.2	kJ/m ²	ASTM D256
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	87.8	°C	
1.8 MPa, Unannealed	57.8	°C	
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	151	°C	ASTM D1525
RTI Elec	48.9	°C	UL 746
RTI Imp	48.9	°C	UL 746
RTI Str	48.9	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value		Test Method
Gloss (60°)	56		ASTM D2457
NOTE			
1.	51 mm/min		
2.	51 mm/min		

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