INEOS PP N00G-01

INEOS Olefins & Polymers USA - Polypropylene Impact Copolymer

Tuesday, November 5, 2019

General Information

Product Description

N00G-01 is a fractional melt flow impact copolymer designed for blow molding, pipe, tubing and sheet extrusion that offers a good balance between stiffness and impact. For applications requiring medium term heat aging performance, we recommend N00M-00.

General			
Material Status	• Commercial: Active		
Availability	• North America		
Features	• Impact Copolymer		
Uses	• Blow Molding Applications • Piping	• Sheet • Tubing	
Agency Ratings	• EC 1907/2006 (REACH)		
RoHS Compliance	• Contact Manufacturer		
Forms	• Pellets		
Processing Method	• Blow Molding	• Pipe Extrusion	• Sheet Extrusion

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.904		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	0.45	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield)	3500	psi	ASTM D638
Tensile Strength [2] (Break)	4900	psi	ASTM D638
Tensile Elongation [2] (Yield)	10	%	ASTM D638
Tensile Elongation [2] (Break)	900	%	ASTM D638
Flexural Modulus - 1% Secant	165000	psi	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-4°F	2.6	ft·lb/in	
73°F	No Break		
Notched Izod Impact (Area)			ASTM D256
-4°F	6.52	ft·lb/in²	
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)	82		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	198	°F	ASTM D648
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	135	°F	
Brittleness Temperature	< -58.0	°F	ISO 812
Vicat Softening Temperature	307	°F	ASTM D1525

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Optical	Nominal Value	Unit	Test Method
Gloss (60°)	56		ASTM D2457

Notes

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

[2] 2.0 in/min