INEOS PP N01G-02

Polypropylene Impact Copolymer

INEOS Olefins & Polymers USA

Message:

N01G-02 is a low melt flow rate polypropylene impact copolymer designed for blow molding, extrusion, and compounding applications. The grade benefits from a very high impact resistance at room and low temperatures and a general purpose additive package. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General Information	
Additive	Unspecified Additive
Features	Food Contact Acceptable Impact Copolymer Low Flow Low Temperature Impact Resistance Ultra High Impact Resistance
Uses	Blow Molding Applications Compounding
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1520
RoHS Compliance	Contact Manufacturer
Forms	Pellets
Processing Method	Blow Molding Compounding Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]			ASTM D638
Yield	25.6	MPa	
Break	16.3	MPa	
Tensile Elongation [2]			ASTM D638
Yield	8.2	%	
Break	290	%	

Flexural Modulus - 1% Secant	1200	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (-20°C)	85	J/m	ASTM D256
Notched Izod Impact (Area)			ASTM D256
-20°C	8.70	kJ/m^2	
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	91.7	°C	
1.8 MPa, Unannealed	50.6	°C	
Vicat Softening Temperature	151	°C	ASTM D1525
Optical	**Nominal Value**		**Test Method**
Gloss (60°)	59		ASTM D2457
NOTE			
1.	51 mm/min		
2.	51 mm/min		

Recommended distributors for this material

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