

## Ineos N01G-02 Polypropylene Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

### Material Notes:

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.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-N01G-02-Polypropylene-Impact-Copolymer.php](http://www.lookpolymers.com/polymer_ineos-N01G-02-Polypropylene-Impact-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D792
Melt Flow	1.0 g/10 min	1.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	85	85	ASTM D785
Tensile Strength at Break	16.3 MPa	2370 psi	2 in/min; ASTM D638
Tensile Strength, Yield	25.6 MPa	3710 psi	2 in/min; ASTM D638
Elongation at Break	285 %	285 %	2 in/min; ASTM D638
Elongation at Yield	8.2 %	8.2 %	2 in/min; ASTM D638
Flexural Modulus	1.20 GPa	174 ksi	1% Secant; ASTM D790A
Izod Impact, Notched	0.854 J/cm	1.60 ft-lb/in	ASTM D256
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	NB	NB	ASTM D256
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	91.7 Â°C	197 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	50.6 Â°C	123 Â°F	ASTM D648
Vicat Softening Point	151 Â°C	304 Â°F	ASTM D1525

Optical Properties	Metric	English	Comments
Gloss	59 %	59 %	60° Angle; ASTM D2457

Descriptive Properties	Value	Comments
Instrumented Impact	Ductile at -20°C	
	Ductile at 23°C	
Process	Blow Molding	
	Extrusion	
Region	Mexico	Bamberger Polymers Distribution
	US & Canada	Bamberger Polymers Distribution

## Contact Songhan Plastic Technology Co.,Ltd.

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