

# INEOS PP N02G-00

Polypropylene Impact Copolymer

INEOS Olefins & Polymers USA

Message:

N02G-00 is a low melt flow rate, high-impact copolymer polypropylene for sheet extrusion and thick wall injection molding applications. It offers a superior balance of stiffness and impact strength as compared to competitive impact copolymers of similar melt flow rate range. Typical applications include appliances, automotive, compounding, consumer products, housewares, and rigid packaging. Benefits include enhanced impact and stiffness. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General Information			
UL YellowCard	E31830-230772		
Features	Food Contact Acceptable		
	High Impact Resistance		
	Impact Copolymer		
	Low Flow		
Uses	Appliances		
	Automotive Applications		
	Compounding		
	Consumer Applications		
	Household Goods		
	Rigid Packaging		
	Sheet		
	Thick-walled Parts		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	86		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638

Yield	25.5	MPa	
Break	17.9	MPa	
Tensile Elongation <sup>2</sup>			ASTM D638
Yield	6.7	%	
Break	320	%	
Flexural Modulus - 1% Secant	1190	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	85	J/m	
23°C	740	J/m	
Notched Izod Impact (Area)			ASTM D256
-20°C	8.20	kJ/m <sup>2</sup>	
23°C	73.2	kJ/m <sup>2</sup>	
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	94.4	°C	
1.8 MPa, Unannealed	52.2	°C	
Vicat Softening Temperature	151	°C	ASTM D1525
Optical	Nominal Value		Test Method
Gloss (60°)	69		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



WECHAT