N02G-00 Polypropylene Impact Copolymer

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.

Typical Properties[1]

	Values		ASTM
	English Units	SI Units	Method
Resin			
Density	—	0.900 g/cc	**D792**
Melt Flow Rate, 230°C/2.16 kg	—	2.5 g/10 min	**D1238**
Injection Molded Sample			
Tensile Strength (2 in/min)			**D638**
@ Yield	3,697 psi	25.5 MPa	
@ Break	2,600 psi	17.9 MPa	
Elongation (2 in/min)			**D638**
@ Yield	—	6.7 %	
@ Break	—	321 %	
Flexural Modulus			**D790A**
1% Secant	172,750 psi	1,207 MPa	
Notched Izod Impact Strength			**D256**
@ 23 C	-	No Break	
@ -20 C	1.6 ft-lb_f/in	8.2 kJ/m^2	
Hardness			
Rockwell R	—	86	**D785**
Vicat Softening Point	304 °F	151 °C	**D1525**
Deflection Temperature			**D648**
@ 66 psi (455 kPa)	202 °F	94 °C	
@ 264 psi (1,820 kPa)	126 °F	52 °C	
Gloss at 60° angle	—	69	**D2457**
Instrumented Impact			**D3763**
@ 23 C	—	Ductile	
@ -20 C	—	Ductile	

[1] Typical properties will vary and are not to be used for specifications.

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. As conditions of use may vary and are beyond the control of INEOS Olefins & Polymers USA, no representations or warranty, express or implied, are made with respect to the accuracy, reliability, or completeness of this information. This information in no way modifies, amends, enlarges, or creates any specification or warranty, and ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXCLUDED. INEOS Olefins & Polymers USA shall not be responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices, or from hazards inherent in the nature of the product and/or material, nor for toxicological effects or Industrial Hygiene associated with particular use of any product described herein. This information relates only to the specific product and/or material designated and may not be valid for such product and/or material used in combination with any other product and/or material or in any process, unless otherwise specified. This information shall not be construed as a recommendation for any use that may infringe any patent, trademark, or the like, or as an endorsement of any material, equipment, service, or other item not supplied by INEOS Olefins & Polymers USA.

The name and logo INEOS are trademarks of the INEOS Group and its affiliated companies and businesses.

2600 South Shore Boulevard, Ste. 500
League City, TX 77573
Tel: 281-535-6600
www.ineos-op.com

INEOS Olefins & Polymers USA

Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

N02G-00 Polypropylene Impact Copolymer

Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, please refer to the Regulatory Position Statement (RPS) online at www.ineos-op.com, or call + 1-800-527-5419.

Health and Safety Information

The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The Material Safety Data Sheet (MSDS) contains the available product health and safety information for this material and can be found at **www.ineos-op.com**. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

The Material Safety Data Sheet for this product contains shipping descriptions and should be consulted, before transportation, as a reference in determining the proper shipping description. If the material shipped by INEOS O&P is altered or modified, different shipping descriptions may apply and the MSDS of the original material should not be used.

For additional information, samples, pricing and availability, please contact:

INEOS Olefins & Polymers, USA
Marina View Building
2600 South Shore Boulevard
Suite 500
League City, Texas 77573
Phone: +1 281 535 6600
Fax: +1 281 535 6764
Customer Service: +1 800 527 5419
Tech Service: +1 800 338 0489
www.ineos-op.com

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. As conditions of use may vary and are beyond the control of INEOS Olefins & Polymers USA, no representations or warranty, express or implied, are made with respect to the accuracy, reliability, or completeness of this information. This information in no way modifies, amends, enlarges, or creates any specification or warranty, and ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXCLUDED. INEOS Olefins & Polymers USA shall not be responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices, or from hazards inherent in the nature of the product and/or material, nor for toxicological effects or Industrial Hygiene associated with particular use of any product described herein. This information relates only to the specific product and/or material designated and may not be valid for such product and/or material used in combination with any other product and/or material or in any process, unless otherwise specified. This information shall not be construed as a recommendation for any use that may infringe any patent, trademark, or the like, or as an endorsement of any material, equipment, service, or other item not supplied by INEOS Olefins & Polymers USA.

The name and logo INEOS are trademarks of the INEOS Group and its affiliated companies and businesses.

2600 South Shore Boulevard, Ste. 500
League City, TX 77573
Tel: 281-535-6600
www.ineos-op.com

INEOS
Olefins & Polymers USA

Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/