

# N20L-00 Polypropylene Impact Copolymer

Grade N20L-00 is nucleated polypropylene impact copolymer formulated with a slip agent for improved mold release, and has an optimum balance of stiffness and impact resistance for injection molding applications. It is particularly well suited for Material Handling applications such as crates for food transport and storage. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520

## Applications

- Material handling products
- Consumer products
- Industrial applications

## Benefits

- Good impact to stiffness balance
- Lubricated for improved mold release

## Typical Properties<sup>1</sup>

Resin	Value	Method
Melt Flow Rate, 2.16 kg at 230°C, g/10 min	20	D1238
<b>Injection Molded Sample</b>		
Tensile at 23°C		
Strength at Yield, psi (MPa)	3060 (21)	D638
Elongation at yield, %	5.4	D638
Flexural modulus <sup>2</sup> , at 23°C, kpsi (MPa)	142 (978)	D790A
Heat Deflection Temperature at 66 psi, (455 kPa), °F (°C)	188 (87)	D648
Izod Impact Strength, 1/8" (3 mm) notched bar		D256
at 23°C, ft-lb/in (J/m)	No Break	
at -20°C, ft-lb/in (J/m)	2.7	
Dynatup Instrumented Impact		D3763
at 23°C, mode of failure	Ductile	
at -20°C, mode of failure	Ductile	
Rockwell Hardness, R scale	61	

<sup>1</sup> Typical properties will vary within specification limits.

<sup>2</sup> 1% Secant modulus, 0.05"/min test speed.

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## 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](http://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](http://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:

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