

# N00N-00 Polypropylene Impact Copolymer

N00N-00 is a fractional melt flow rate high impact copolymer polypropylene specifically designed for non-pressure structured wall pipe but can also be used in other extrusion applications requiring high melt strength and high stiffness. It offers a superior balance of stiffness and impact strength as compared to competitive impact copolymers of similar melt flow rate.

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

	Values		ASTM Method
	English Units	SI Units	
<b>Resin</b>			
Density	—	0.910 g/cc	D792
Melt Flow Rate, 230°C/2.16 kg	—	0.350 g/10 min	D1238
<b>Injection Molded Sample</b>			
<b>Tensile Strength (2 in/min)</b>			D638
@ Yield	4,920 psi	33.9 MPa	
@ Break	3,800 psi	26.2 MPa	
<b>Elongation (2 in/min)</b>			D638
@ Yield	7.91%	7.91%	
@ Break	122%	122%	
<b>Flexural Modulus</b>			D790A
1% Secant	260,000 psi	1,790 MPa	
<b>Notched Izod Impact Strength</b>			D256
@ 23 C	-	No Break	
@ -20 C	1.6 ft-lbf/in	8.2 kJ/m <sup>2</sup>	
<b>Hardness</b>			
Rockwell R	98	98	D785
<b>Vicat Softening Point</b>	318 F	160 C	D1525
<b>Heat Deflection Temperature</b>			D648
@ 66 psi (455 kPa)	238 F	115 C	
@ 264 psi (1,820 kPa)	140 F	60 C	
<b>Gloss Units, 60° angle</b>		78.2	D2457
<b>Instrumented Impact</b>			D3763
@ 23 C	Ductile	Ductile	
@ -20 C	Ductile	Ductile	

<sup>1</sup> Typical properties may vary and are not to be used for specifications.

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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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