



## POLYPROPYLENE COPOLYMER N20G - 00

**Producer:** Ineos Olefins Polymers USA / Europe

**Description:** **Grade N20G - 00** is a high melt flow rate "super-high" impact copolymer polypropylene for injection molding applications. It offers very high impact resistance and good stiffness. This material meets the requirements of the U.S Food and Drug Administration as specified in 21 CFR 177.1520.

**Applications :**

- Toys
- Consumer products
- Housewares
- Automotive
- Compounding

**Benefits :**

- High melt flow rate
- Good stiffness
- Very high impact resistance

### TYPICAL PROPERTIES<sup>1</sup>

RESIN	VALUES	ASTM METHOD
Melt Flow Rate, 2.16 kg 230°C ,g/10 min	20	D 1238
<b>Injection Molded Sample</b>		
Tensile at 23°C		D 638
Strength at Yield, psi ( Mpa )	3,200 ( 22 )	
Elongation at Break, %	> 200	
Flexural Modulus, at 23°C, kpsi ( Mpa )	125 ( 860 )	D 790B
Heat Deflection Temperature at 66 psi, ( 455 kPa), °F ( °C )	170 ( 77 )	D 648
Izod Impact Strength, 1/8" (3 mm ) notched bar		D 256
at 23°C, ft-lb / in ( J / m )	No Break	
at-20°C, ft-lb / in ( J / m )	1.2 (65)	
Rockwell Hardness, R scale	50	D 785

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