

# INEOS PP L10G-00

Polypropylene Impact Copolymer

INEOS Olefins & Polymers USA

Message:

L10G-00 is a medium melt flow rate, barefoot impact copolymer polypropylene designed for injection molding, compounding applications, and consumer products. Characteristics of this grade include high impact resistance and high flexural modulus. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General Information			
Features	Food Contact Acceptable		
	High Impact Resistance		
	Impact Copolymer		
	Medium Flow		
Uses	Compounding		
	Consumer Applications		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.906	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.7	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Yield	26.7	MPa	
Break	15.4	MPa	
Tensile Elongation <sup>2</sup>			ASTM D638
Yield	7.0	%	
Break	250	%	
Flexural Modulus - 1% Secant	1190	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256

-20°C	43	J/m	
23°C	130	J/m	
Notched Izod Impact (Area)			ASTM D256
-20°C	4.40	kJ/m <sup>2</sup>	
23°C	12.9	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	92.8	°C	
1.8 MPa, Unannealed	51.7	°C	
Vicat Softening Temperature	123	°C	ASTM D1525
Optical	Nominal Value		Test Method
Gloss (60°)	83		ASTM D2457
NOTE			
1.	51 mm/min		
2.	51 mm/min		

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#### Recommended distributors for this material

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