

# INEOS PP L12Z-01

Polypropylene Impact Copolymer

INEOS Olefins & Polymers USA

Message:

L12Z-01 is a nucleated, antistated polypropylene impact copolymer with an excellent balance of stiffness and impact and fast injection cycles. It is specially formulated to help provide superior gloss in applications such as consumer products, housewares, and toys. This material has been recognized by UL for sustained use at 65°C and meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General Information			
UL YellowCard	E31830-230772		
Additive	Antistatic Nucleating Agent		
Features	Antistatic Fast Molding Cycle Food Contact Acceptable High Gloss Impact Copolymer Nucleated		
Uses	Consumer Applications Household Goods Toys		
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.903	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	84		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Yield	26.5	MPa	
Break	17.2	MPa	
Tensile Elongation <sup>2</sup>			ASTM D638

Yield	7.0	%	
Break	160	%	
Flexural Modulus - 1% Secant <sup>3</sup>	1300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	48	J/m	
23°C	180	J/m	
Notched Izod Impact (Area)			ASTM D256
-20°C	5.00	kJ/m <sup>2</sup>	
23°C	18.0	kJ/m <sup>2</sup>	
Instrumented Impact, Ductility			ASTM D3763
-20°C	Mixed		
23°C	Ductile		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	104	°C	
1.8 MPa, Unannealed	53.9	°C	
Vicat Softening Temperature	149	°C	ASTM D1525
RTI Elec (1.50 mm)	65.0	°C	UL 746
RTI Imp (1.50 mm)	65.0	°C	UL 746
RTI Str (1.50 mm)	65.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Optical	Nominal Value		Test Method
Gloss (60°)	81		ASTM D2457
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	1.3 mm/min		

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#### Recommended distributors for this material

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