

INEOS PP L70Z-01

Polypropylene Impact Copolymer

INEOS Olefins & Polymers USA

Message:

L70Z-01 is a nucleated and antistatic high flow polypropylene medium impact copolymer designed for thin walled injection molding applications and closures. This product meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	High Flow		
	Impact Copolymer		
	Medium Impact Resistance		
	Nucleated		
Uses	Closures		
	Thin-walled Parts		
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	0.910	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	70	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	77		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	23.1	MPa	
Break	18.2	MPa	
Tensile Elongation ²			ASTM D638
Yield	5.2	%	
Break	44	%	
Flexural Modulus - 1% Secant	1160	MPa	ASTM D790A

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	53	J/m	
23°C	120	J/m	
Notched Izod Impact (Area)			ASTM D256
-20°C	5.40	kJ/m ²	
23°C	12.2	kJ/m ²	
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	52.5	°C	
Vicat Softening Temperature	146	°C	ASTM D1525
Optical	Nominal Value		Test Method
Gloss (60°)	63		ASTM D2457
NOTE			
1.	51 mm/min		
2.	51 mm/min		

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