INEOS PP L70Z-01

INEOS Olefins & Polymers USA - Polypropylene Impact Copolymer

Tuesday, November 5, 2019

General Information

Product Description

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			
Material Status	• Commercial: Active		
Availability	• North America		
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		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.912		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	70	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield)	3350	psi	ASTM D638
Tensile Strength [2] (Break)	2630	psi	ASTM D638
Tensile Elongation [2] (Yield)	5.2	%	ASTM D638
Tensile Elongation [2] (Break)	44	%	ASTM D638
Flexural Modulus - 1% Secant	168000	psi	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-4°F	1.0	ft·lb/in	
73°F	2.3	ft·lb/in	
Notched Izod Impact (Area)			ASTM D256
-4°F	2.57	ft·lb/in²	
73°F	5.81	ft·lb/in²	
Instrumented Impact, Ductility			ASTM D3763
-4°F	Mixed		
73°F	Ductile		
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	77		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	220	°F	ASTM D648
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	127	°F	
Vicat Softening Temperature	295	°F	ASTM D1525

INEOS PP L70Z-01

INEOS Olefins & Polymers USA - Polypropylene Impact Copolymer

Optical	Nominal Value	Unit	Test Method
Gloss (60°)	63		ASTM D2457

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 2.0 in/min