

# INEOS PP L70J-00

INEOS Olefins & Polymers USA - Polypropylene Impact Copolymer

Friday, September 20, 2019

## General Information

### Product Description

L70J-00 is a high melt flow rate, nucleated, lightly antistated impact copolymer polypropylene designed for high stiffness, thin-walled containers having a high length-to-thickness ratio (L/T). This material 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 • High Flow • Impact Copolymer • Food Contact Acceptable • High Stiffness • Nucleated
Uses	• Thin-walled Containers
Agency Ratings	• EC 1907/2006 (REACH) • FDA 21 CFR 177.1520
RoHS Compliance	• Contact Manufacturer
Forms	• Pellets
Processing Method	• Injection Molding

## ASTM & ISO Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.910	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	70	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, Injection Molded)	28.4	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Break, Injection Molded)	16.6	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	4.9	%	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Injection Molded)	38	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1550	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, Injection Molded	33	J/m	
23°C, Injection Molded	65	J/m	
Notched Izod Impact (Area)			ASTM D256
-20°C, Injection Molded	3.20	kJ/m <sup>2</sup>	
23°C, Injection Molded	6.40	kJ/m <sup>2</sup>	
Instrumented Impact, Ductility			ASTM D3763
-20°C		Brittle	
23°C		Mixed	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	95		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Injection Molded	120	°C	
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed, Injection Molded	57.8	°C	

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Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	150	°C	ASTM D1525

  

Optical	Nominal Value	Unit	Test Method
Gloss (60°)	66		ASTM D2457

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 51 mm/min