INEOS PP L25Zh00

Polypropylene Impact Copolymer

INEOS Olefins & Polymers USA

Message:

L25Zh00 is an ultra-high melt flow rate, nucleated, antistatic and lubricated impact copolymer polypropylene designed for an optimum balance of stiffness and impact resistance required for high-speed, thin-walled injection molding, and high length-to-thickness ratio rigid packaging applications. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520

General Information			
Additive	Antistatic Lubricant Nucleating Agent		
Features	Antistatic Food Contact Acceptable High Flow Impact Copolymer Lubricated Nucleated		
Uses	Rigid Packaging Thin-walled Parts		
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.908	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	130	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	94		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]			ASTM D638
Yield	29.4	MPa	
Break	24.1	MPa	
Tensile Elongation [2]			ASTM D638
Yield	5.4	%	
Break	18	%	

Flexural Modulus - 1% Secant	1390	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-20°C	34	J/m	
23°C	60	J/m	
Notched Izod Impact (Area)			ASTM D256
-20°C	3.34	kJ/m^2	
23°C	5.94	kJ/m^2	
Instrumented Impact, Ductility			ASTM D3763
-20°C	Brittle		
23°C	Ductile		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	112	°C	
1.8 MPa, Unannealed	58.1	°C	
Vicat Softening Temperature	150	°C	ASTM D1525
Optical	**Nominal Value**		**Test Method**
Gloss (60°)	74		ASTM D2457
NOTE			
1.	51 mm/min		
2.	51 mm/min		

Recommended distributors for this material

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