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	120	40.	ACTAA D1220
kg)	130	g/10 min	ASTM D1238
Rockwell Hardness (R-Scale)	Nominal Value 94	Unit	Test Method
Mechanical		Unit	ASTM D785 Test Method
Tensile Strength ¹	Nominal Value	Offit	ASTM D638
	20.4	MDo	ASTIVI D036
Yield	29.4	MPa	
Break Tensile Elongation ²	24.1	MPa	ACTM D620
	E /	0/	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/m²	
23°C	5.94	kJ/m²	
Instrumented Impact, Ductility			ASTM D3763
-20°C	Brittle		
23°C	Ductile		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
Deflection Temperature Under Load 0.45 MPa, Unannealed	112	°C	ASTM D648
	112 58.1	°C	ASTM D648
0.45 MPa, Unannealed			ASTM D648 ASTM D1525
0.45 MPa, Unannealed 1.8 MPa, Unannealed	58.1	°C	
0.45 MPa, Unannealed 1.8 MPa, Unannealed Vicat Softening Temperature	58.1 150	°C	ASTM D1525
0.45 MPa, Unannealed 1.8 MPa, Unannealed Vicat Softening Temperature Optical	58.1 150 Nominal Value	°C	ASTM D1525 Test Method
0.45 MPa, Unannealed 1.8 MPa, Unannealed Vicat Softening Temperature Optical Gloss (60°)	58.1 150 Nominal Value	°C	ASTM D1525 Test Method

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