

INEOS PP L24G-00

Polypropylene Impact Copolymer

INEOS Olefins & Polymers USA

Message:

L24G-00 is a high melt flow rate, antistated impact copolymer polypropylene offering excellent impact resistance and a high flexural modulus for applications in injection molding, consumer products, housewares, and automotive. This material has been recognized by UL for sustained use at 65°C and meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General Information			
UL YellowCard	E31830-230772		
Additive	Antistatic		
Features	Antistatic		
	Food Contact Acceptable		
	High Flow		
	High Impact Resistance		
	Impact Copolymer		
Uses	Automotive Applications		
	Consumer Applications		
	Household Goods		
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	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	86		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	24.7	MPa	
Break	16.8	MPa	
Tensile Elongation ²			ASTM D638
Yield	7.0	%	
Break	150	%	
Flexural Modulus - 1% Secant ³	1100	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	53	J/m	
23°C	190	J/m	
Notched Izod Impact (Area)			ASTM D256
-20°C	5.30	kJ/m ²	
23°C	18.8	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	93.3	°C	
1.8 MPa, Unannealed	50.6	°C	
Vicat Softening Temperature	149	°C	ASTM D1525
RTI Elec (1.50 mm)	65.0	°C	UL 746
RTI Imp (1.50 mm)	65.0	°C	UL 746
RTI Str (1.50 mm)	65.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Optical	Nominal Value		Test Method
Gloss (60°)	79		ASTM D2457
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	1.3 mm/min		

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