L24G-00 Polypropylene Impact Copolymer

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.

Typical Properties[1]

	Values		ASTM
	English Units	SI Units	Method
Resin			
Density	—	0.900 g/cc	**D792**
Melt Flow Rate, 230°C/2.16 kg	—	24 g/10 min	**D1238**
Injection Molded Sample			
Tensile Strength (2 in/min)			**D638**
@ Yield	3,580 psi	24.7 MPa	
@ Break	2,440 psi	16.8 MPa	
Elongation (2 in/min)			**D638**
@ Yield	—	7%	
@ Break	—	148%	
Flexural Modulus (0.05 in/min)			**D790**
1% Secant	160,000 psi	1,100 MPa	
Notched Izod Impact Strength			**D256**
@ 23°C	3.6 ft-lbf/in	18.8 kJ/m²	
@ - 20°C	1.0 ft-lbf/in	5.3 kJ/m²	
Hardness			
Rockwell R	—	86	**D785**
Vicat Temperature	301 F	150 C	**D1525**
Deflection Temperature			**D648**
@ 66 psi (455 kPa)	200 F	94 C	
@ 264 psi (1,820 kPa)	123 F	51 C	
Gloss at 60° angle		79 %	**D2457**
Instrumented Impact			**D3763**
@ 23°C	—	Ductile	
@-20°C	—	Mixed	
UL Recognition (1.5 mm thickness)			**UL94**
Relative Temperature Index	149 °F	65 °C	
Flammability Classification	—	HB	

[1] Typical properties; not to be used for specifications.

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