

H14A-00 Polypropylene Homopolymer

H14A-00 is an antistatic polypropylene homopolymer designed for injection molding applications such as consumer products, housewares, medical packaging, and rigid packaging. The grade benefits from fast cycle times, high flow rate, and a low static charge. 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 Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.906 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	14.3 g/10 min	D1238
Injection Molded Samples			
Tensile Strength (2 in./min)			D638
@ Yield	5,060 psi	34.9 MPa	
@ Break	2,565 psi	17.7 MPa	
Elongation (2 in./min)			D638
@ Yield	—	9 %	
@ Break	—	195 %	
Flexural Modulus			D790A
1% Secant	237,000 psi	1,634 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.5 ft-lb _f /in	2.4 kJ/m ²	
Hardness			D785
Rockwell R	—	103	
Deflection Temperature			D648
@ 66 psi (455 kPa)	198 F	92 C	
Haze @ 23°C, 50-mil (1.3mm) plaque			D1003
% Diffuse Transmittance	—	82%	
Gloss at 60 ° angle	—	93	D2457
UL Recognition (3 mm thickness)			UL94
Relative Temperature Index	149 F	65 C	
Flammability Classification	—	HB	

¹ Typical properties will vary and are not to be used for specifications.