

H35Z-00 Polypropylene Homopolymer

H35Z-00 is a high flow rate, nucleated and antistated homopolymer designed for injection molding applications. Typical applications include consumer products, housewares, medical components and thin-walled rigid packaging. Benefits include high flow rate, fast cycle times, good molding performance in thin-wall parts, low static charge and improved toughness. This material 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	—	0.900 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	35.0 g/10 min	D1238
Injection Molded Samples			
Tensile Strength (2 in/min)			D638
@ Yield	5,800 psi	40.0 MPa	
Elongation (2 in/min)			D638
@ Yield	7.0 %	7.0 %	
Flexural Modulus			D790A
1% Secant	252,000 psi	1,737 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.55 ft-lbf/in	2.86 kJ/m ²	
Hardness			D785
Rockwell R	108	108	
Deflection Temperature			D648
@ 66 psi (455 kPa)	244 F	118 C	
Gloss at 60 ° angle	91	91	D2457

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