

H35Z-02 Polypropylene Homopolymer

H35Z-02 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	—	0.9000 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	5,500 psi	38.0 MPa	
Elongation (2 in/min)			D638
@ Yield	9.0 %	9.0 %	
Flexural Modulus			D790A
1% Secant	248,000 psi	1,700 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.52 ft-lbf/in	2.75 kJ/m ²	
Hardness			D785
Rockwell R	106	106	
Deflection Temperature			D648
@ 66 psi (455 kPa)	243 F	117 C	
Gloss at 60 ° angle	89	89	D2457

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