

# H20Z-00 Polypropylene Homopolymer

H20Z-00 is a nucleated and antistatic polypropylene homopolymer for applications in injection molding, consumer products, housewares, and rigid packaging. This grade has easy moldability, fast cycle times, improved stiffness, and low static charge. This grade has been recognized by UL and meets the requirements of the U.S. Food and Drug Administration specified in 21 CFR 177.1520.

## Typical Properties<sup>1</sup>

	Values		ASTM Method
	English Units	SI Units	
<b>Resin</b>			
Density	—	0.909 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	20.0 g/10 min	D1238
<b>Injection Molded Samples</b>			
Tensile Strength (2 in/min)			D638
@ Yield	5,435 psi	37.5 MPa	
@ Break	2,710 psi	18.7 MPa	
Elongation (2 in/min)			D638
@ Yield	—	8%	
@ Break	—	49%	
Flexural Modulus			D790A
1% Secant	262,000 psi	1,810 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.62 ft-lbf/in	3.27 kJ/m <sup>2</sup>	
Hardness			D785
Rockwell R	—	105	
Deflection Temperature			D648
@ 66 psi (455 kPa)	237 F	114 C	
Haze @ 23°C, 50-mil (1.3mm) plaque			D1003
% Diffuse Transmittance	—	68%	
Gloss at 60° angle	—	91	D2457
UL Recognition (3.0 mm thickness)			UL94
Flammability Classification	—	HB	

<sup>1</sup> Typical properties will vary and are not to be used for specifications.