

# H20A-00 Polypropylene Homopolymer

H20A-00 is a controlled rheology homopolymer designed for injection molding applications requiring a moderate level of antistatic agent. Typical applications include consumer products, housewares and rigid packaging. It meets the requirements of the U.S. Food and Drug Administration as specified in 21CFR 177.1520.

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

	Values		ASTM Method
	English Units	SI Units	
<b>Resin</b>			
Density	—	0.910 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	20 g/10 min	D1238
<b>Injection Molded Samples</b>			
Tensile Strength (2 in/min)			D638
@ Yield	5,280 psi	36.4 MPa	
@ Break	2,920 psi	20.1 MPa	
Elongation (2 in/min)			D638
@ Yield	9.7 %	9.7 %	
@ Break	<100 %	<100 %	
Flexural Modulus			D790A
1% Secant	232,100 psi	1,603 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.51 ft-lbf/in	2.7 kJ/m <sup>2</sup>	
Hardness			D785
Rockwell R	104	104	
Deflection Temperature			D648
@ 66 psi (455 kPa)	215 F	102 C	
Gloss at 60° angle	94 %	94 %	D2457

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