

H05A-01

POLYPROPYLENE HOMOPOLYMER

TECHNICAL DATASHEET

Product Description

Grade H05A-01 is an antistatic polypropylene homopolymer designed for use in injection molding and extrusion applications. Typical applications are consumer products, housewares, medical packaging, and rigid packaging. This grade has been recognized by UL for sustained use at 65°C and meets the requirements of the U.S. Food and Drug Administration specified in 21 CFR 177.1520.¹

Typical Properties²

Property	English Units	SI Units	ASTM Method
Resin Properties			
Density		0.911 g/cc	D792
Melt Flow Rate (230°C/2.16 kg)		5.1 g/10 min	D1238
Injection Molded Specimen Test			
Tensile Strength (2 in/min) @ Yield	5,400 psi	37 MPa	D638
Elongation (2 in/min) @ Yield	9.2 %	9.2 %	D638
Flexural Modulus, 1% Secant	249,000 psi	1,710 MPa	D790A
Notched Izod Impact Strength @ 23°C	0.7 ft-lb/in	3.4 kJ/m ²	D256
Hardness, Rockwell R	103	103	D785
HDT @ 66 psi (455 kPa)	220 °F	104 °C	D648
Gloss Units, 60° Angle	93	93	D2457
UL Recognition (3mm Thickness)			
Flammability Classification 1.50 mm, NC, 3.00 mm, NC		HB	UL94
Relative Temperature Index	149 °F	65 °C	UL 746B

¹Consult the Regulatory Position Statement for specific use conditions and limitations.

²Typical property values will vary and are not to be used as specification limits.