

H05H-01 Polypropylene Homopolymer

Grade H05H-01 is a homopolymer polypropylene for injection molding applications. It is an excellent long-term heat aging grade and offers superior extraction resistance in hot aqueous solutions. This makes it an excellent candidate for use in washing machines, dishwashers, and coffee makers. This material has been recognized by UL for sustained use at 130 ° C and meets the requirements of the U.S. Food and Drug Administration specified in 21 CFR 177.1520 and is Drug Master File listed.

Applications

- Appliances
- Automotive

Benefits

- Excellent long term heat stability
- Extraction resistance
- High temperature properties
- UL recognized

Typical Properties¹

Resin	Value	Method
Melt Flow Rate, 2.16 kg at 230°C, g/10 min	5.7	D1238
Injection Molded Sample		
Tensile at 23°C		D638
Strength at Yield, psi (MPa)	5,200 (36)	
Elongation at yield, %	9	
Elongation at Break, %	200	
Flexural Modulus, at 23°C, kpsi (MPa)	200 (1,380)	D790A
Heat Deflection Temperature at 66 psi, (455 kPa), °F (°C)	200 (93)	D648
UL Recognition		
Relative Thermal Index, °C	130	
Flammability Classification	94HB	UL94

¹Typical properties will vary within specification limits.

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Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an e-mail to: OPMSDS@innovene.com.

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