

INEOS PP H05H-01

Polypropylene Homopolymer

INEOS Olefins & Polymers USA

Product Description

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 as specified in 21 CFR 177.1520.

General

Features	<ul style="list-style-type: none"> Extraction Resistant Food Contact Acceptable 	<ul style="list-style-type: none"> Good Heat Aging Resistance Homopolymer
Uses	<ul style="list-style-type: none"> Appliances 	<ul style="list-style-type: none"> Automotive Applications
Agency Ratings	<ul style="list-style-type: none"> DMF Unspecified Rating 	<ul style="list-style-type: none"> FDA 21 CFR 177.1520 UL Unspecified Rating
RoHS Compliance	<ul style="list-style-type: none"> Contact Manufacturer 	
Forms	<ul style="list-style-type: none"> Pellets 	
Processing Method	<ul style="list-style-type: none"> Injection Molding 	

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C, Injection Molded	35.9	MPa	
Tensile Elongation			ASTM D638
Yield, 23°C, Injection Molded	9.0	%	
Break, 23°C, Injection Molded	200	%	
Flexural Modulus (23°C, Injection Molded)	1380	MPa	ASTM D790A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Injection Molded	93.3	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating - UL	HB		UL 94
UL 746	Nominal Value	Unit	Test Method
RTI Str	130	°C	UL 746
RTI Imp	130	°C	UL 746
RTI Elec	130	°C	UL 746