



INEOS PP H05A-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

Grade H05A-00 is an antistatic polypropylene homopolymer with crack resistance and low static charge used 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 and is Drug Master File listed.

General

Material Status	<ul style="list-style-type: none"> Commercial: Active 		
Availability	<ul style="list-style-type: none"> North America 		
Additive	<ul style="list-style-type: none"> Antistatic 		
Features	<ul style="list-style-type: none"> Antistatic Crack Resistant 	<ul style="list-style-type: none"> Food Contact Acceptable Homopolymer 	
Uses	<ul style="list-style-type: none"> Consumer Applications Household Goods 	<ul style="list-style-type: none"> Medical Packaging Rigid Packaging 	
Agency Ratings	<ul style="list-style-type: none"> DMF Unspecified Rating 	<ul style="list-style-type: none"> EC 1907/2006 (REACH) 	<ul style="list-style-type: none"> FDA 21 CFR 177.1520
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"> Extrusion 	<ul style="list-style-type: none"> Injection Molding 	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.913		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	5.1	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	5350	psi	ASTM D638
Tensile Strength ² (Break, Injection Molded)	2610	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	9.2	%	ASTM D638
Tensile Elongation ² (Break, Injection Molded)	140	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	249000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, Injection Molded)	0.76	ft·lb/in	ASTM D256
Notched Izod Impact (Area) (73°F, Injection Molded)	1.62	ft·lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	103		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Injection Molded	220	°F	
RTI Elec (0.12 in)	149	°F	UL 746
RTI Imp (0.12 in)	149	°F	UL 746
RTI Str (0.12 in)	149	°F	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.12 in)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	93		ASTM D2457

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Optical	Nominal Value	Unit	Test Method
Haze ³ (50.0 mil)	73.0	%	ASTM D1003

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

³ 23°C