



INEOS PP H14A-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H14A-00 is an antistatic polypropylene homopolymer designed for injection molding applications such as consumer products, housewares, medical packaging, and rigid packaging. The grade benefits from fast cycle times, high flow rate, and a low static charge. This material has been recognized by UL for sustained use at 65 C and meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

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 Fast Molding Cycle 	<ul style="list-style-type: none"> Food Contact Acceptable High Flow 	<ul style="list-style-type: none"> 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"> EC 1907/2006 (REACH) 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"> Injection Molding 		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.908		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	14	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	5060	psi	ASTM D638
Tensile Strength ² (Break)	2570	psi	ASTM D638
Tensile Elongation ² (Yield)	9.0	%	ASTM D638
Tensile Elongation ² (Break)	200	%	ASTM D638
Flexural Modulus - 1% Secant	237000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.50	ft·lb/in	ASTM D256
Notched Izod Impact (Area) (73°F)	1.14	ft·lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	198	°F	ASTM D648
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
Haze ³ (50.0 mil)	82.0	%	ASTM D1003

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Notes

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

² 2.0 in/min

³ 23°C