

INEOS PP H14A-00

Polypropylene Homopolymer

INEOS Olefins & Polymers USA

Message:

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 Information			
UL YellowCard	E31830-230774		
Additive	Antistatic		
Features	Antistatic		
	Fast Molding Cycle		
	Food Contact Acceptable		
	High Flow		
	Homopolymer		
Uses	Consumer Applications		
	Household Goods		
	Medical Packaging		
	Rigid Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.906	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	34.9	MPa	
Break	17.7	MPa	
Tensile Elongation ²			ASTM D638
Yield	9.0	%	
Break	200	%	

Flexural Modulus - 1% Secant	1630	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Notched Izod Impact (Area) (23°C)	2.40	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	92.2	°C	ASTM D648
RTI Elec (3.00 mm)	65.0	°C	UL 746
RTI Imp (3.00 mm)	65.0	°C	UL 746
RTI Str (3.00 mm)	65.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	93		ASTM D2457
Haze ³ (1270 μm)	82	%	ASTM D1003
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	23°C		

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