

INEOS PP H20A-00

Polypropylene Homopolymer

INEOS Olefins & Polymers USA

Message:

H20A-00 is a controlled rheology homopolymer designed for injection molding applications requiring a moderate level of antistatic agent. Typical applications include consumer products, housewares and rigid packaging. It meets the requirements of the U.S. Food and Drug Administration as specified in 21CFR 177.1520.

General Information			
Additive	Antistatic property		
Features	Homopolymer		
	Antistatic property		
	Controlled rheology		
	Compliance of Food Exposure		
Uses	Household goods		
	Consumer goods application field		
	Hard packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	36.4	MPa	ASTM D638
Fracture	20.1	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield	9.7	%	ASTM D638
Fracture	< 100	%	ASTM D638
Flexural Modulus - 1% Secant	1600	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256


Notched Izod Impact (23°C)	2.70	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	102	°C	ASTM D648
Optical	Nominal Value		Test Method
Gloss (60°)	94		ASTM D2457
NOTE			
1.	51 mm/min		
2.	51 mm/min		

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