



INEOS PP H12E-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H12E-00 is an antistatic homopolymer polypropylene designed for use in general purpose injection molding and extrusion applications. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General

Material Status	• Commercial: Active	
Availability	• North America	
Additive	• Antistatic	
Features	• Antistatic	• General Purpose
	• Food Contact Acceptable	• Homopolymer
Uses	• General Purpose	
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520
RoHS Compliance	• Contact Manufacturer	
Forms	• Pellets	
Processing Method	• Extrusion	• Injection Molding

ASTM & ISO Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	0.911		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Mechanical			
Tensile Strength ² (Yield)	5300	psi	ASTM D638
Tensile Strength ² (Break)	3300	psi	ASTM D638
Tensile Elongation ² (Yield)	9.0	%	ASTM D638
Tensile Elongation ² (Break)	< 100	%	ASTM D638
Flexural Modulus - 1% Secant	248000	psi	ASTM D790A
Impact			
Notched Izod Impact (73°F)	0.50	ft·lb/in	ASTM D256
Notched Izod Impact (Area) (73°F)	1.43	ft·lb/in ²	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	101		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	212	°F	ASTM D648
Vicat Softening Temperature	309	°F	ASTM D1525

Notes

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

² 2.0 in/min

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