

INEOS PP H12E-00

Polypropylene Homopolymer

INEOS Olefins & Polymers USA

Message:

H12E-00 is an antistated 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 Information			
Additive	Antistatic		
Features	Antistatic		
	Food Contact Acceptable		
	General Purpose		
	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		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.909	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	101		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	36.5	MPa	
Break	22.8	MPa	
Tensile Elongation ²			ASTM D638
Yield	9.0	%	
Break	< 100	%	
Flexural Modulus - 1% Secant	1710	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)	3.00	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525
NOTE			
1.	51 mm/min		
2.	51 mm/min		

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Recommended distributors for this material


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