



# INEOS PP H12E-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

## General Information

### Product Description

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

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 <sup>1</sup>

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

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 in/min