



INEOS PP H20E-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H20E-00 is a controlled rheology homopolymer polypropylene containing a high level of antistat designed for injection molding applications that require improved processability and enhanced mold release. Typical applications include caps and closures and thin wall containers. It meets the requirements of the U.S. Food and Drug Administration as specified in 21CFR 177.1520.

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Antistatic
Features	• Antistatic • Food Contact Acceptable • Homopolymer • Controlled Rheology • Good Mold Release
Uses	• Caps • Closures • Thin-walled Containers
Agency Ratings	• EC 1907/2006 (REACH) • FDA 21 CFR 177.1520
RoHS Compliance	• Contact Manufacturer
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.906		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	5000	psi	ASTM D638
Tensile Strength ² (Break)	2310	psi	ASTM D638
Tensile Elongation ² (Yield)	10	%	ASTM D638
Tensile Elongation ² (Break)	160	%	ASTM D638
Flexural Modulus - 1% Secant	215000	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)	1.20	ft-lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	97		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	198	°F	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	93		ASTM D2457

Notes

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

² 2.0 in/min