INEOS PP H28E-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H28E-00 is an antistated, controlled rheology polypropylene homopolymer designed for injection molding applications that require improved impact characteristics. 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 • Controlled Rheology	• Food Contact Acceptable • Homopolymer
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	0.911		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	28	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield)	4990	psi	ASTM D638
Tensile Strength [2] (Break)	2190	psi	ASTM D638
Tensile Elongation [2] (Yield)	12	%	ASTM D638
Tensile Elongation [2] (Break)	290	%	ASTM D638
Flexural Modulus - 1% Secant	195000	psi	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F)	0.55	ft·lb/in	ASTM D256
Notched Izod Impact (Area) (73°F)	1.38	ft·lb/in²	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	96		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	197	°F	ASTM D648
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (60°)	91		ASTM D2457

Notes

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

[2] 2.0 in/min