



INEOS PP H35Z-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H35Z-00 is a high flow rate, nucleated and antistatic homopolymer designed for injection molding applications. Typical applications include consumer products, housewares, medical components and thin-walled rigid packaging. Benefits include high flow rate, fast cycle times, good molding performance in thin-wall parts, low static charge and improved toughness. 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 • Nucleating Agent
Features	• Antistatic • Food Contact Acceptable • Homopolymer • Fast Molding Cycle • High Flow • Nucleated
Uses	• Consumer Applications • Medical/Healthcare Applications • Thin-walled Packaging • Household Goods • Rigid Packaging
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	0.902		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	5750	psi	ASTM D638
Tensile Strength ² (Break, Injection Molded)	4830	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	7.0	%	ASTM D638
Tensile Elongation ² (Break, Injection Molded)	15	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	282000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, Injection Molded)	0.55	ft-lb/in	ASTM D256
Notched Izod Impact (Area) (73°F, Injection Molded)	1.36	ft-lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	108		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, Injection Molded	257	°F	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	91		ASTM D2457
Haze ³ (50.0 mil)	52.0	%	ASTM D1003

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Notes

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

² 2.0 in/min

³ 23°C