

INEOS PP H35Z-00

Polypropylene Homopolymer
INEOS Olefins & Polymers USA

Message:

H35Z-00 is a high flow rate, nucleated and antistated 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 Information			
UL YellowCard	E31830-100062243		
Additive	Antistatic Nucleating Agent		
Features	Antistatic Fast Molding Cycle Food Contact Acceptable High Flow Homopolymer Nucleated		
Uses	Consumer Applications Household Goods Medical/Healthcare Applications Rigid Packaging Thin-walled Packaging		
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	34	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638

Yield	39.6	MPa	
Break	33.3	MPa	
Tensile Elongation ²			ASTM D638
Yield	7.0	%	
Break	15	%	
Flexural Modulus - 1% Secant	1940	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	J/m	ASTM D256
Notched Izod Impact (Area) (23°C)	2.86	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	125	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	91		ASTM D2457
Haze ³ (1270 μm)	52	%	ASTM D1003
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	23°C		

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