INEOS PP H35G-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H35G-00 is a general purpose homopolymer designed for injection molding applications. Typical applications include rigid packaging, consumer products, housewares and fiber. Benefits include easy moldability and fast cycles at low processing temperatures. 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		
Features	• Fast Molding Cycle • Food Contact Acceptable	• General Purpose • Good Moldability	• Homopolymer
Uses	• Coating Applications • Consumer Applications	• Fibers • General Purpose	• Household Goods • Rigid Packaging
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520	
RoHS Compliance	• Contact Manufacturer		
Forms	• Pellets		
Processing Method	• Extrusion Coating	• 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)	5110	psi	ASTM D638
Tensile Strength [2] (Break, Injection Molded)	3190	psi	ASTM D638
Tensile Elongation [2] (Yield, Injection Molded)	9.5	%	ASTM D638
Tensile Elongation [2] (Break, Injection Molded)	< 50	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	216000	psi	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F, Injection Molded)	0.45	ft·lb/in	ASTM D256
Notched Izod Impact (Area) (73°F, Injection Molded)	1.13	ft·lb/in²	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, Injection Molded)	103		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Injection Molded	211	°F	
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (60°)	95		ASTM D2457
Haze [3] (50.0 mil)	75.0	%	ASTM D1003

Notes

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

[2] 2.0 in/min

[3] 23°C