



INEOS PP H12G-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H12G-00 is a homopolymer polypropylene designed for use in general purpose injection molding applications. Typical applications include consumer products, housewares and rigid packaging. 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	• Food Contact Acceptable • General Purpose • Homopolymer
Uses	• Consumer Applications • Household Goods • General Purpose • 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	0.908		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	5290	psi	ASTM D638
Tensile Strength ² (Break, Injection Molded)	2490	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	9.2	%	ASTM D638
Tensile Elongation ² (Break, Injection Molded)	> 100	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	240000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, Injection Molded)	0.54	ft-lb/in	ASTM D256
Notched Izod Impact (Area) (73°F, Injection Molded)	1.33	ft-lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	105		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, Injection Molded	216	°F	ASTM D648
Vicat Softening Temperature	311	°F	ASTM D1525

Notes

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

² 2.0 in/min