



INEOS PP H03G-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H03G-00 is a general purpose homopolymer polypropylene designed for extrusion applications including carpet backing, fiber and tape, rope and cordage, fiber bags, and twine. 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	• Bags • Carpet Backing • Fibers	• General Purpose • Rope • Tape	• Twine
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520	
RoHS Compliance	• Contact Manufacturer		
Forms	• Pellets		
Processing Method	• Extrusion		

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)	3.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	5170	psi	ASTM D638
Tensile Strength ² (Break)	2790	psi	ASTM D638
Tensile Elongation ² (Yield)	10	%	ASTM D638
Tensile Elongation ² (Break)	130	%	ASTM D638
Flexural Modulus - 1% Secant	231000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.82	ft-lb/in	ASTM D256
Notched Izod Impact (Area) (73°F)	2.04	ft-lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	101		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	217	°F	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	94		ASTM D2457
Haze ³ (50.0 mil)	71.0	%	ASTM D1003

Notes

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

² 2.0 in/min

³ 23°C