



INEOS PP H19G-01

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H19G-01 is a homopolymer polypropylene designed for the extrusion of continuous filament yarn, continuous bulked filament yarn and staple fiber. Its benefits include consistent processing, color stability, and excellent spinning characteristics. H19G-01 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	• Good Color Stability	• Homopolymer
Uses	• Filaments	• Staple Fibers	• Yarn
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520	
RoHS Compliance	• Contact Manufacturer		
Forms	• Pellets		
Processing Method	• Extrusion	• Filament Extrusion	

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.913		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	19	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	5400	psi	ASTM D638
Tensile Strength ² (Break)	3490	psi	ASTM D638
Tensile Elongation ² (Yield)	8.9	%	ASTM D638
Tensile Elongation ² (Break)	23	%	ASTM D638
Flexural Modulus - 1% Secant	258000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.50	ft·lb/in	ASTM D256
Notched Izod Impact (Area) (73°F)	1.33	ft·lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	226	°F	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	95		ASTM D2457
Haze ³ (50.0 mil)	79.0	%	ASTM D1003

Notes

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

² 2.0 in/min

³ 23°C