



INEOS PP H03G-02

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

Grade H03G-02 is a polypropylene homopolymer designed for applications that require low water carryover. Typical applications are slit tape, film, and fiber. Benefits include low die build-up and low water carryover. This grade is not cleared for food contact.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Homopolymer • Low Water Carryover
Uses	• Fibers • Film • Tape
Agency Ratings	• EC 1907/2006 (REACH)
RoHS Compliance	• Contact Manufacturer
Forms	• Pellets
Processing Method	• Extrusion • Fiber (Spinning) Extrusion • Film Extrusion

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)	3.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	5270	psi	ASTM D638
Tensile Strength ² (Break)	2730	psi	ASTM D638
Tensile Elongation ² (Yield)	9.6	%	ASTM D638
Tensile Elongation ² (Break)	150	%	ASTM D638
Flexural Modulus - 1% Secant	236000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.70	ft-lb/in	ASTM D256
Notched Izod Impact (Area) (73°F)	1.76	ft-lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	215	°F	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	94		ASTM D2457
Haze ³ (50.0 mil)	79.7	%	ASTM D1003

Notes

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

² 2.0 in/min

³ 23°C