



INEOS PP H02G-02

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H02G-02 is a homopolymer polypropylene designed for film and extrusion applications. Typical applications include BOPP film, thermoformed sheet, tape, twine and woven bags. 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	• Homopolymer	
Uses	• Bags • Bi-axially Oriented Film	• Film • Sheet	• Tape • Twine
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520	
RoHS Compliance	• Contact Manufacturer		
Forms	• Pellets		
Processing Method	• Extrusion	• Film Extrusion	• Thermoforming

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.910		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	5000	psi	ASTM D638
Tensile Strength ² (Break)	2900	psi	ASTM D638
Tensile Elongation ² (Yield)	12	%	ASTM D638
Tensile Elongation ² (Break)	120	%	ASTM D638
Flexural Modulus - 1% Secant	211000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.90	ft-lb/in	ASTM D256
Notched Izod Impact (Area) (73°F)	2.33	ft-lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	99		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	207	°F	ASTM D648
Vicat Softening Temperature	309	°F	ASTM D1525

Notes

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

² 2.0 in/min