



INEOS PP H03G-06

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H03G-06 is a polypropylene homopolymer designed for BOPP applications. Applications include food packaging films, overwrap, and metallized films. Benefits include consistent high speed processing and good optical properties. This resin meets the requirements of the U.S. Food and Drug administration as specified in 12 CFR 177.1520.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Food Contact Acceptable • Good Optical Properties • Homopolymer
Uses	• Bi-axially Oriented Film • Film • Food Packaging
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	0.907		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	4900	psi	ASTM D638
Tensile Strength ² (Break)	2850	psi	ASTM D638
Tensile Elongation ² (Yield)	12	%	ASTM D638
Tensile Elongation ² (Break)	150	%	ASTM D638
Flexural Modulus - 1% Secant	206000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.80	ft-lb/in	ASTM D256
Notched Izod Impact (Area) (73°F)	1.95	ft-lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	97		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	199	°F	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	94		ASTM D2457
Haze ³ (50.0 mil)	71.7	%	ASTM D1003

Notes

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

² 2.0 in/min

³ 23°C