



INEOS PP H07N-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H07N-00 is a nucleated homopolymer polypropylene designed for extrusion processing. Typical applications include cast film with higher stiffness requirements; cast film for hot-pack cheese applications, and flexible packaging. Performance of this resin can be customized by the addition of technical additives such as slip or anti-block by the film manufacturer. This resin 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
Additive	• Nucleating Agent
Features	• Food Contact Acceptable • Homopolymer • Nucleated
Uses	• Cast Film • 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	0.904		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	7.3	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	5770	psi	ASTM D638
Tensile Strength ² (Break)	2900	psi	ASTM D638
Tensile Elongation ² (Yield)	6.5	%	ASTM D638
Tensile Elongation ² (Break)	31	%	ASTM D638
Flexural Modulus - 1% Secant	304000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.49	ft-lb/in	ASTM D256
Notched Izod Impact (Area) (73°F)	1.23	ft-lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	260	°F	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	94		ASTM D2457
Haze ³ (50.0 mil)	38.0	%	ASTM D1003

Notes

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

² 2.0 in/min

³ 23°C