

INEOS PP H07N-00

Polypropylene Homopolymer
INEOS Olefins & Polymers USA

Message:

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 Information			
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		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.902	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.3	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	39.8	MPa	
Break	20.0	MPa	
Tensile Elongation ²			ASTM D638
Yield	6.5	%	
Break	31	%	
Flexural Modulus - 1% Secant	2100	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	26	J/m	ASTM D256
Notched Izod Impact (Area) (23°C)	2.59	kJ/m ²	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	127	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	94		ASTM D2457
Haze ³ (1270 μm)	38	%	ASTM D1003
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	23°C		

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