

INEOS PP H07G-00

Polypropylene Homopolymer

INEOS Olefins & Polymers USA

Message:

Grade H07G-00 is a barefoot polypropylene homopolymer designed for cast film applications and flexible packaging. This grade has good optical properties and consistent processing. This grade meets the requirements of the U.S. Food and Drug Administration specified in 21 CFR 177.1520.

General Information			
Features	Food Contact Acceptable Homopolymer Opticals		
Uses	Cast Film Packaging		
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.909	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	36.0	MPa	
Break	18.8	MPa	
Tensile Elongation ²			ASTM D638
Yield	11	%	
Break	160	%	
Flexural Modulus - 1% Secant	1530	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	28	J/m	ASTM D256
Notched Izod Impact (Area) (23°C)	2.81	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	92.8	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	93		ASTM D2457

Haze ³ (1270 μm)	75	%	ASTM D1003
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NOTE

1.	51 mm/min
2.	51 mm/min
3.	23°C

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