

INEOS PP H02G-02

Polypropylene Homopolymer
INEOS Olefins & Polymers USA

Message:

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 Information			
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		
Forms	Pellets		
Processing Method	Extrusion		
	Film Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.908	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	99		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	34.5	MPa	
Break	20.0	MPa	
Tensile Elongation ²			ASTM D638
Yield	12	%	
Break	120	%	
Flexural Modulus - 1% Secant	1450	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	48	J/m	ASTM D256
Notched Izod Impact (Area) (23°C)	4.90	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	97.2	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525
NOTE			
1.	51 mm/min		
2.	51 mm/min		

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Recommended distributors for this material

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