

# INEOS PP H03G-06

Polypropylene Homopolymer

INEOS Olefins & Polymers USA

## Message:

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 Information			
Features	Food Contact Acceptable		
	Homopolymer		
	Opticals		
Uses	Bi-axially Oriented Film		
	Food Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	97		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Yield	33.8	MPa	
Break	19.6	MPa	
Tensile Elongation <sup>2</sup>			ASTM D638
Yield	12	%	
Break	150	%	
Flexural Modulus - 1% Secant	1420	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Notched Izod Impact (Area) (23°C)	4.10	kJ/m <sup>2</sup>	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°)	94		ASTM D2457
Haze <sup>3</sup> (1270 μm)	72	%	ASTM D1003
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	23°C		

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