

# INEOS PP H03G-05

Polypropylene Homopolymer

INEOS Olefins & Polymers USA

## Message:

H03G-05 is a polypropylene homopolymer designed for BOPP applications and meets the requirements of the U.S. Food and Drug administration as specified in 21 CFR 177.1520. This high strength, barefoot resin has good optical properties and consistent, high speed processing. Typical applications are: Food Packaging, Overwrap and Metallized Film.

General Information			
Features	Food Contact Acceptable		
	High Strength		
	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)	3.4	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Yield	32.8	MPa	
Break	19.2	MPa	
Tensile Elongation <sup>2</sup>			ASTM D638
Yield	13	%	
Break	140	%	
Flexural Modulus - 1% Secant	1350	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	42	J/m	ASTM D256
Notched Izod Impact (Area) (23°C)	4.11	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	88.3	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	95		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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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

