

# INEOS PP H03G-02

Polypropylene Homopolymer  
INEOS Olefins & Polymers USA

Message:

Grade H03G-02 is a polypropylene homopolymer designed for applications that require low water carryover. Typical applications are slit tape, film, and fiber. Benefits include low die build-up and low water carryover. This grade is not cleared for food contact.

General Information			
Features	Homopolymer		
	Low Water Carryover		
Uses	Fibers		
	Film		
	Tape		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.906	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Yield	36.4	MPa	
Break	18.8	MPa	
Tensile Elongation <sup>2</sup>			ASTM D638
Yield	9.6	%	
Break	150	%	
Flexural Modulus - 1% Secant	1630	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Notched Izod Impact (Area) (23°C)	3.70	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	102	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	94		ASTM D2457
Haze <sup>3</sup> (1270 µm)	80	%	ASTM D1003
NOTE			

1.	51 mm/min
2.	51 mm/min
3.	23°C

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