

# INEOS PP H12G-01

Polypropylene Homopolymer  
INEOS Olefins & Polymers USA

Message:

H12G-01 is a homopolymer polypropylene designed for use in general purpose injection molding and extrusion applications. Typical applications include housewares, rigid packaging, caps and closures and film and sheet. 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		
	General Purpose		
	Homopolymer		
Uses	Caps		
	Closures		
	Film		
	General Purpose		
	Household Goods		
	Rigid Packaging		
	Sheet		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.909	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	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	35.9	MPa	
Break	16.5	MPa	
Tensile Elongation <sup>2</sup>			ASTM D638
Yield	9.4	%	

Break	110	%	
Flexural Modulus - 1% Secant	1680	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	31	J/m	ASTM D256
Notched Izod Impact (Area) (23°C)	3.10	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648
Vicat Softening Temperature	153	°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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