

# INEOS PP H02C-01

Polypropylene Homopolymer  
INEOS Olefins & Polymers USA

Message:

H02C-01 is a low flow rate, clarified homopolymer designed for extrusion, thermoforming, blow molding, and rigid packaging applications that require good see-through clarity combined with good heat resistance. Typical applications include thermoformed cups, containers and lidding; extrusion blow molded containers and bottles, injection stretch blow molded containers and bottles, extruded sheet and profiles. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General Information			
Additive	Clarifier		
Features	Food Contact Acceptable		
	High Clarity		
	Homopolymer		
	Low Flow		
	Medium Heat Resistance		
Uses	Blow Molding Applications		
	Bottles		
	Containers		
	Cups		
	Lids		
	Profiles		
	Rigid Packaging		
	Sheet		
	Thermoforming Applications		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Extrusion Blow Molding		
	Injection Stretch Blow Molding		
	Profile Extrusion		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method

Specific Gravity	0.908	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.4	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	36.5	MPa	
Break	17.9	MPa	
Tensile Elongation <sup>2</sup>			ASTM D638
Yield	9.1	%	
Break	120	%	
Flexural Modulus - 1% Secant	1590	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Notched Izod Impact (Area) (23°C)	2.80	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	107	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	96		ASTM D2457
Haze <sup>3</sup> (1270 μm)	25	%	ASTM D1003
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	23°C		

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#### Recommended distributors for this material

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