

INEOS PP H02C-00

Polypropylene Homopolymer
INEOS Olefins & Polymers USA

Message:

H02C-00 is a low flow rate, high clarity, nucleated 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	Nucleating Agent
Features	Food Contact Acceptable
	High Clarity
	Homopolymer
	Low Flow
	Medium Heat Resistance
	Nucleated
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	0.909	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.2	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	99		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	36.5	MPa	
Break	17.9	MPa	
Tensile Elongation ²			ASTM D638
Yield	9.1	%	
Break	120	%	
Flexural Modulus - 1% Secant	1650	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Notched Izod Impact (Area) (23°C)	2.80	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	96		ASTM D2457
Haze ³ (1270 μm)	30	%	ASTM D1003
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	23°C		

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