



INEOS PP H02C-04

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H02C-04 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. H02C-04 utilizes new nucleator technology that gives the finished part a slight bluish hue resulting in a clearer and crisper-looking final product. Typical applications include thermoformed cups, containers and lidding; extrusion blow molded containers and bottles, injection stretch blow molded containers and bottles and extruded sheets and profiles. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General

Material Status	<ul style="list-style-type: none"> Commercial: Active 		
Availability	<ul style="list-style-type: none"> North America 		
Additive	<ul style="list-style-type: none"> Nucleating Agent 		
Features	<ul style="list-style-type: none"> Food Contact Acceptable High Clarity 	<ul style="list-style-type: none"> Homopolymer Low Flow 	<ul style="list-style-type: none"> Medium Heat Resistance Nucleated
Uses	<ul style="list-style-type: none"> Blow Molding Applications Bottles Containers 	<ul style="list-style-type: none"> Cups Lids Profiles 	<ul style="list-style-type: none"> Rigid Packaging Sheet Thermoforming Applications
Agency Ratings	<ul style="list-style-type: none"> EC 1907/2006 (REACH) FDA 21 CFR 177.1520 		
RoHS Compliance	<ul style="list-style-type: none"> Contact Manufacturer 		
Forms	<ul style="list-style-type: none"> Pellets 		
Processing Method	<ul style="list-style-type: none"> Blow Molding Extrusion Extrusion Blow Molding 	<ul style="list-style-type: none"> Injection Stretch Blow Molding Profile Extrusion Sheet Extrusion 	<ul style="list-style-type: none"> Thermoforming

ASTM & ISO Properties¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	0.911		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	2.3	g/10 min	ASTM D1238
Mechanical			
Tensile Strength ² (Yield)	5300	psi	ASTM D638
Tensile Strength ² (Break)	2700	psi	ASTM D638
Tensile Elongation ² (Yield)	9.7	%	ASTM D638
Tensile Elongation ² (Break)	100	%	ASTM D638
Flexural Modulus - 1% Secant	233000	psi	ASTM D790A
Impact			
Notched Izod Impact (73°F)	1.2	ft·lb/in	ASTM D256
Notched Izod Impact (Area) (73°F)	3.09	ft·lb/in ²	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	103		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	230	°F	ASTM D648
Vicat Softening Temperature	309	°F	ASTM D1525
Optical			
Gloss (60°)	95		ASTM D2457
Haze ³ (50.0 mil)	31.0	%	ASTM D1003

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Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

³ 23°C