



INEOS PP R35C-02

INEOS Olefins & Polymers USA - Polypropylene Random Copolymer

Tuesday, November 5, 2019

General Information

Product Description

R35C-02 is a high flow rate, high clarity, lubricated random copolymer designed for high-speed injection molding of medium to thin walled parts requiring excellent clarity, fast cycle times and ease of de-nesting. Finished parts produced with R35C-02 will exhibit a bluish hue, giving a look of enhanced clarity. 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"> Lubricant 		
Features	<ul style="list-style-type: none"> Fast Molding Cycle Food Contact Acceptable 	<ul style="list-style-type: none"> High Clarity High Flow 	<ul style="list-style-type: none"> Lubricated Random Copolymer
Uses	<ul style="list-style-type: none"> Thin-walled Parts 		
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"> Injection Molding 		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.906		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	4260	psi	ASTM D638
Tensile Strength ² (Break)	2500	psi	ASTM D638
Tensile Elongation ² (Yield)	14	%	ASTM D638
Tensile Elongation ² (Break)	> 500	%	ASTM D638
Flexural Modulus - 1% Secant	156000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
39°F	0.60	ft·lb/in	
73°F	1.1	ft·lb/in	
Notched Izod Impact (Area)			ASTM D256
39°F	1.50	ft·lb/in ²	
73°F	2.85	ft·lb/in ²	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	83		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	172	°F	ASTM D648
Vicat Softening Temperature	266	°F	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	96		ASTM D2457
Haze ³ (50.0 mil)	17.0	%	ASTM D1003

UL and the UL logo are trademarks of UL LLC © 2019. All Rights Reserved.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.

INEOS PP R35C-02

INEOS Olefins & Polymers USA - Polypropylene Random Copolymer

Notes

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

² 2.0 in/min

³ 23°C