



INEOS PP R08G-00

INEOS Olefins & Polymers USA - Polypropylene Random Copolymer

Tuesday, November 5, 2019

General Information

Product Description

R08G-00 is a random copolymer polypropylene for film, blow molding, expanded PP foam beads, and injection molding applications with a barefoot additive package. This resin meets the requirements of the U.S. Food and Drug administration as specified in 12 CFR 177.1520.

General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Slip		
Features	• Food Contact Acceptable	• Random Copolymer	• Slip
Uses	• Blow Molding Applications	• Film	• Foam
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520	
RoHS Compliance	• Contact Manufacturer		
Forms	• Pellets		
Processing Method	• Blow Molding	• Foam Processing	
	• Film Extrusion	• Injection Molding	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.901		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	3790	psi	ASTM D638
Tensile Strength ² (Break, Injection Molded)	3600	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	13	%	ASTM D638
Tensile Elongation ² (Break, Injection Molded)	> 900	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	123000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
39°F, Injection Molded	0.50	ft·lb/in	
73°F, Injection Molded	1.0	ft·lb/in	
Notched Izod Impact (Area)			ASTM D256
39°F, Injection Molded	1.33	ft·lb/in ²	
73°F, Injection Molded	2.52	ft·lb/in ²	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	77		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Injection Molded	174	°F	
Vicat Softening Temperature	269	°F	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (60°, Injection Molded)	92		ASTM D2457
Haze ³ (50.0 mil, Injection Molded)	60.0	%	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 R08G-00

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