



INEOS PP R08S-00

INEOS Olefins & Polymers USA - Polypropylene Random Copolymer

Tuesday, November 5, 2019

General Information

Product Description

R08S-00 is a random copolymer polypropylene for film, blow molding, expanded PP foam beads, and injection molding applications needing slip properties. Benefits include superior slip properties and consistent processing. 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
Features	• Food Contact Acceptable • Random Copolymer • Slip
Uses	• Blow Molding Applications • Film
Agency Ratings	• EC 1907/2006 (REACH) • FDA 21 CFR 177.1520
RoHS Compliance	• Contact Manufacturer
Forms	• Pellets
Processing Method	• Blow Molding • 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)	3800	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°)	92		ASTM D2457
Haze ³ (50.0 mil)	60.0	%	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