



INEOS PP R01A-00

INEOS Olefins & Polymers USA - Polypropylene Random Copolymer

Tuesday, November 5, 2019

General Information

Product Description

R01A-00 is a low flow rate, antistatic polypropylene random copolymer. It is designed for blow molding, thermoforming and extrusion applications that require good stiffness and improved processability. Benefits of this grade include good see-through and contact clarity and good impact resistance at both room and refrigerator temperatures. 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"> Antistatic 		
Features	<ul style="list-style-type: none"> Antistatic Contact Clarity Food Contact Acceptable 	<ul style="list-style-type: none"> Good Impact Resistance Good Stiffness Low Flow 	<ul style="list-style-type: none"> Random Copolymer
Uses	<ul style="list-style-type: none"> Blow Molding Applications 	<ul style="list-style-type: none"> Thermoforming Applications 	
Agency Ratings	<ul style="list-style-type: none"> EC 1907/2006 (REACH) 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Extrusion 	<ul style="list-style-type: none"> Thermoforming

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	1.9	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	4070	psi	ASTM D638
Tensile Strength ² (Break)	3180	psi	ASTM D638
Tensile Elongation ² (Yield)	13	%	ASTM D638
Tensile Elongation ² (Break)	680	%	ASTM D638
Flexural Modulus - 1% Secant	143000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
39°F	0.70	ft·lb/in	
73°F	1.6	ft·lb/in	
Notched Izod Impact (Area)			ASTM D256
39°F	1.71	ft·lb/in ²	
73°F	3.95	ft·lb/in ²	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	76		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	176	°F	ASTM D648
Vicat Softening Temperature	271	°F	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	93		ASTM D2457
Haze ³ (50.0 mil)	57.0	%	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 R01A-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