INEOS PP R01A-00

Polypropylene Random Copolymer

INEOS Olefins & Polymers USA

Message:

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 Information	
Additive	Antistatic
Features	Antistatic Contact Clarity Food Contact Acceptable Good Impact Resistance Good Stiffness Low Flow Random Copolymer
Uses	Blow Molding Applications Thermoforming Applications
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1520
RoHS Compliance	Contact Manufacturer
Forms	Pellets
Processing Method	Blow Molding Extrusion Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.9	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	76		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]			ASTM D638
Yield	28.1	MPa	
Break	21.9	MPa	
Tensile Elongation [2]			ASTM D638

Yield	13	%	
Break	680	%	
Flexural Modulus - 1% Secant	986	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
4°C	37	J/m	
23°C	85	J/m	
Notched Izod Impact (Area)			ASTM D256
4°C	3.60	kJ/m^2	
23°C	8.30	kJ/m^2	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	80.0	°C	ASTM D648
Vicat Softening Temperature	133	°C	ASTM D1525
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (60°)	93		ASTM D2457
Haze [3] (1270 µm)	57	%	ASTM D1003
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	23°C		

Recommended distributors for this material

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