INEOS PP R35C-01

Polypropylene Random Copolymer

INEOS Olefins & Polymers USA

Message:

R35C-01 is a high flow rate, high clarity random copolymer having a moderate level of antistat. In addition to clarity, its benefits include rapid molding cycles and good impact at room and refrigerator temperatures. It meets the requirements of the U.S. Food and Drug Administration, as specified in 21 CFR 177.1520. Typical applications include thin-wall rigid packaging, consumer products, housewares and medical items.

General Information			
Additive	Antistatic		
Features	Antistatic Fast Molding Cycle Food Contact Acceptable Good Impact Resistance High Clarity High Flow Random Copolymer		
Uses	Consumer Applications Household Goods Medical/Healthcare Applications Rigid Packaging Thin-walled Packaging		
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.904	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	84		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]			ASTM D638
Yield	29.6	MPa	
Break	17.7	MPa	
Tensile Elongation [2]			ASTM D638
Yield	14	%	

Break	> 500	%	
Flexural Modulus - 1% Secant	1090	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
4°C	30	J/m	
23°C	47	J/m	
Notched Izod Impact (Area)			ASTM D256
4°C	3.00	kJ/m^2	
23°C	4.60	kJ/m^2	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	82.8	°C	ASTM D648
Vicat Softening Temperature	131	°C	ASTM D1525
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (60°)	98		ASTM D2457
Haze [3] (1270 µm)	14	%	ASTM D1003
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	23°C		

Recommended distributors for this material

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