

DuPure® SR 76

Polypropylene Impact Copolymer

Ducor Petrochemicals BV

Message:

Description
DuPure SR 76 is a nucleated heterophasic polypropylene copolymer. The product combines a good stiffness with good impact strength.

Applications
DuPure SR 76 is suitable for: housewares, cylindrical containers and crates, furniture.

General Information			
Additive	Nucleating Agent		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Stiffness		
	Impact Copolymer		
	Nucleated		
Uses	Containers		
	Crates		
	Furniture		
	Household Goods		
Agency Ratings	EC 1907/2006 (REACH)		
	EC 1935/2004		
	EN 71-3		
	EU 10/2011		
	EU 2000/53/EC		
	EU 2002/96/EC (WEEE)		
	EU 2005/84/EC		
	EU 94/62/EC		
	FDA 21 CFR 177.1520(a) 3 (i)		
	FDA 21 CFR 177.1520(c) 3.1a		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	63.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method

Tensile Modulus	1400	MPa	ISO 527-2/1
Tensile Stress (Yield)	28.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	6.0	%	
Break	> 50	%	
Shear Modulus	730	MPa	ISO 6721-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.0	kJ/m ²	
-20°C	2.5	kJ/m ²	
0°C	3.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	45	kJ/m ²	
-20°C	50	kJ/m ²	
0°C	100	kJ/m ²	
23°C	No Break		
Notched Izod Impact Strength			ISO 180/1A
-30°C	2.0	kJ/m ²	
-20°C	2.5	kJ/m ²	
0°C	3.0	kJ/m ²	
23°C	5.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	90.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	53.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	151	°C	ISO 306/A
--	68.0	°C	ISO 306/B
Melting Temperature (DSC)	163	°C	ISO 3146

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