

DuPure® TU 76 V

Polypropylene Impact Copolymer

Ducor Petrochemicals BV

Message:

Description

DuPure TU 76 V is a heterophasic polypropylene copolymer. The product shows a very high fluidity and a good impact resistance.

Applications

DuPure TU 76 V is suitable for: thin-walled packaging, housewares.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	High Flow		
	Impact Copolymer		
Uses	Household Goods		
	Thin-walled Packaging		
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)	48	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	44.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	950	MPa	ISO 527-2/1
Tensile Stress (Yield)	19.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	5.0	%	

Break	> 50	%	
Shear Modulus	500	MPa	ISO 6721-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	
-20°C	4.5	kJ/m ²	
0°C	9.0	kJ/m ²	
23°C, Partial Break	20	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	130	kJ/m ²	
-20°C	150	kJ/m ²	
0°C	No Break		
23°C	No Break		
Notched Izod Impact Strength			ISO 180/1A
-30°C	4.5	kJ/m ²	
-20°C	5.5	kJ/m ²	
0°C	9.0	kJ/m ²	
23°C, Partial Break	18	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	78.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	48.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	142	°C	ISO 306/A
--	56.0	°C	ISO 306/B
Melting Temperature (DSC)	163	°C	ISO 3146

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