

Ducor® 2600 TC

Polypropylene Impact Copolymer

Ducor Petrochemicals BV

Message:

Ducor 2600TC is a hetrophasic block copolymer. It shows a very high fluidity and good impact resistance. Typical applications are thinwalled packaging, housewares.

Food Contact Applications: This grade is in compliance with most regulations regarding food contact applications (EU, FDA). Specific information is available upon request.

General Information			
Features	Block Copolymer		
	Food Contact Acceptable		
	Good Impact Resistance		
	High Flow		
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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