

Ducor® 2600 PC

Polypropylene Impact Copolymer

Ducor Petrochemicals BV

Message:

Ducor 2600 PC is a hetrophasic copolymer. It shows an excellent fluidity combined with a narrow molecular weight distribution which results in fast cycle-times and high dimensional stability.

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	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Flow		
	Impact Copolymer		
	Narrow Molecular Weight Distribution		
Uses	Household Goods		
	Pails		
	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)	15	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	45.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1000	MPa	ISO 527-2/1

Tensile Stress (Yield)	20.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	7.0	%	
Break	> 50	%	
Shear Modulus	530	MPa	ISO 6721-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	6.5	kJ/m ²	
-20°C	7.0	kJ/m ²	
0°C	9.0	kJ/m ²	
23°C, Partial Break	43	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	140	kJ/m ²	
-20°C	190	kJ/m ²	
0°C	No Break		
23°C	No Break		
Notched Izod Impact Strength			ISO 180/1A
-30°C	4.0	kJ/m ²	
-20°C	5.0	kJ/m ²	
0°C	7.0	kJ/m ²	
23°C	30	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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