

Ducor® DE2348UC

Polypropylene Impact Copolymer

Ducor Petrochemicals BV

Message:

Ducor DE2348UC is a controlled rheology, heterophasic copolymer with nucleation and anti-electrostatic additivation used for injection moulding applications. Ducor DE2348UC has a very high flowability and a good impact/stiffness balance.

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

Applications

Packaging, general injection moulding

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Controlled Rheology		
	Food Contact Acceptable		
	High Flow		
	Impact Copolymer		
	Nucleated		
Uses	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		
	FDA 21 CFR 177.1520(c) 3.2a		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	75	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method

Ball Indentation Hardness (H 358/30)	62.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1350	MPa	ISO 527-2/1
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	5.0	%	
Break	40	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.6	kJ/m ²	
-20°C	3.0	kJ/m ²	
0°C	4.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	60	kJ/m ²	
-20°C	71	kJ/m ²	
0°C	95	kJ/m ²	
23°C	No Break		
Notched Izod Impact Strength			ISO 180/1A
-20°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
--	70.0	°C	ISO 306/B
Melting Temperature (DSC)	163	°C	ISO 3146

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