Ducor® DE2348T

Polypropylene Impact Copolymer

Ducor Petrochemicals BV

Message:

Ducor DE2348T is a heterophasic copolymer with nucleation and anti-electrostatic additivation used for injection moulding applications. Ducor DE2348T has a very good 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
	Food Contact Acceptable
	Good 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/cm³	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 358/30)	62.0	MPa	ISO 2039-1

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	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	3.0	kJ/m^2	
-20°C	3.2	kJ/m^2	
0°C	4.0	kJ/m^2	
23°C	6.5	kJ/m^2	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	65	kJ/m^2	
-20°C	75	kJ/m^2	
0°C	100	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

Recommended distributors for this material

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