

Ducor® NQ10050

Polypropylene Homopolymer

Ducor Petrochemicals BV

Message:

Ducor NQ10050 is a homopolymer for extrusion applications. Ducor NQ10050 shows an easy processability and a good stiffness/impact balance at ambient temperature. It is formulated with slip- and anti-electrostatic agents.

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	
Additive	Antistatic Slip
Features	Antistatic Food Contact Acceptable Good Processability Homopolymer Slip
Uses	Cast Film Film Oriented Film Thermoforming Applications
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) 1 (i) FDA 21 CFR 177.1520(c) 1.1a
RoHS Compliance	RoHS Compliant
Processing Method	Cast Film Extrusion Film Extrusion Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	77.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2/1
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	9.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	1.6	kJ/m ²	
23°C	3.5	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	15	kJ/m ²	
23°C	130	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	85.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	154	°C	ISO 306/A
--	90.0	°C	ISO 306/B
Melting Temperature (DSC)	163	°C	ISO 3146

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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