

Ducor® 1184 L

Polypropylene Homopolymer

Ducor Petrochemicals BV

Message:

Ducor 1184 L is a propylene homopolymer for thermoforming applications. The product is provided with nucleating and anti-electrostatic agents. Ducor 1184L offers good stiffness and transparency. It exhibits an excellent processability and good wall thickness distribution of the thermoformed parts

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		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	High Clarity		
	Homopolymer		
	Nucleated		
Uses	Packaging		
	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		
Appearance	Clear/Transparent		
Processing Method	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)	5.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	74.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2/1
Tensile Stress (Yield)	36.0	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	1.7	kJ/m ²	
23°C	3.5	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	16	kJ/m ²	
23°C	140	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	1.5	kJ/m ²	
23°C	3.5	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	55.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	154	°C	ISO 306/A
--	94.0	°C	ISO 306/B
Melting Temperature (DSC)	163	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Haze (1000 µm)	49	%	ASTM D1003

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