

DuPure® L 76 A

Polypropylene Homopolymer

Ducor Petrochemicals BV

Message:

Description

DuPure L 76 A is a polypropylene homopolymer for extrusion and thermoforming applications with nucleation and an anti-electrostatic agent. DuPure L 76 A offers good stiffness and transparency. The product exhibits an excellent processability and good wall thickness distribution of the thermoformed parts.

Applications

DuPure L 76 A is suitable for: thermoformed packaging for e.g. dairy products, lids and trays.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	Homopolymer		
	Nucleated		
Uses	Lids		
	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) 1 (i)		
	FDA 21 CFR 177.1520(c) 1.1a		
RoHS Compliance	RoHS Compliant		
Appearance	Clear/Transparent		
Processing Method	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)	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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