

DuPure® G 86 E

Polypropylene Homopolymer

Ducor Petrochemicals BV

Message:

Description
DuPure G 86 E is a polypropylene homopolymer for extrusion and thermoforming applications. DuPure G 86 E shows an easy processability and a good stiffness/impact balance at ambient temperature. The extremely low water carry-over is a special advantage for the production of tapes.

Applications
DuPure G 86 E is suitable for: thermoformed parts, tape yarns, monofilaments, strapping.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Homopolymer		
	Low Water Carryover		
Uses	Monofilaments		
	Strapping		
	Tape		
	Thermoforming Applications		
	Yarn		
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	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)	3.0	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	1500	MPa	ISO 527-2/1
Tensile Stress (Yield)	34.0	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	4.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	17	kJ/m ²	
23°C	190	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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