DOWLEX™ 2740G (Tape)

Polyethylene Resin

The Dow Chemical Company

Message:

DOWLEX™ 2740G Polyethylene Resin is a high performance linear low density polyethylene suitable for the production of tapes and monofilaments used in woven or knitted fabrics. Tapes and monofilaments made from this resin exhibit an excellent tenacity at the required elongation at break values. DOWLEX 2740G Polyethylene Resin can be extruded via the blowing or casting method and tapes can be manufactured using the tape or film stretching process.

Applications:
Tapes and Monofilaments
Complies with:
EU, No 10/2011
U.S. FDA 21 CFR 177.1520(c)3.2a
Consult the regulations for complete details.

General Information	
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a
	Europe No 10/2011

Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity [1]	0.940	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) [2] (190°C/2.16 kg)	1.0	g/10 min	ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature [3]	125	°C	ASTM D1525

Additional Information

100 Tex 带子(铸造薄膜):
带子拉伸比:
韧性:5 到 6 cN/dtex
伸长率:28 到 32%
薄膜拉伸工艺(吹塑薄膜):
22 µm 薄膜
韧性:3.2 cN/dtex
伸长率:55%
28 µm 薄膜
韧性:3.4 cN/dtex
伸长率:56%
360 dtex 单丝:
韧性:6.7 cN/dtex
伸长率:33%
收缩性 (100°C):3.8%

Extrusion instructions

熔体温度:
吹塑薄膜生产线:200 至 230°C
铸造薄膜生产线:240 至 270°C
拉伸比:
薄膜拉伸加工:7 至 7.5:1
带子拉伸加工:6 至 8:1
单丝:8 至 9:1

NOTE	
1.	Compression molding
2.	Compression molding
3.	Compression molding

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