

Lucalen G3710E

Compounded Polyolefin

Product Description

Lucalen G3710E is a maleic anhydride grafted polyethylene resin with a high thermal stability and good flexibility.

Lucalen G3710E is primarily designed to be used as the adhesive layer between the top coat polyethylene and the epoxy layer in a 3-layer coating system with easy processing characteristics. **Lucalen G3710E** is available in pellet form.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Processing Methods	Extrusion Coating
Features	Good Adhesion, Copolymer, Good Heat Aging Resistance , High Heat Resistance , Good Thermal Aging Resistance, Good Thermal Stability
Typical Customer Applications	Coatings, Protective, Pipe Coating, Pipes

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.931	g/cm ³
Melt flow rate (MFR) (190°C/2.16kg)	ISO 1133	1.5	g/10 min
Bulk density (23°C)	ISO 60	> 0,5	g/cm ³
Note: ISO 60			
Mechanical			
Tensile Modulus (23 °C, v = 1 mm/min)	ISO 527-1, -2	400	MPa
Tensile Stress at Yield (23 °C, v = 50 mm/min)	ISO 527-1, -2	12	MPa
Tensile Strain at Break (23 °C, v = 50 mm/min)	ISO 527-1, -2	> 700	%
Hardness			
Shore hardness (Shore D)	ISO 868	51	
Thermal			
Brittleness Temperature	ASTM D 746	< -70	°C
Vicat softening temperature A/50	ISO 306	≥ 100	°C

Additional Properties

Water content ISO 15512 ≤ 0,1 %

Peel strength (23°C) DIN 30670 > 200 N/cm

Peel strength (80°C) DIN 30670 > 40 N/cm Melting point ISO 3146 125°C Processing:

Recommended melt temperatures: 215 -240 °C.

Unless specifically indicated, the grade mentioned is not suitable for applications in the pharmaceutical/medical sector.

Notes

Typical properties; not to be construed as specifications.

