



## 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

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe, North America, Asia-Pacific, Australia/NZ, Africa-Middle East
<b>Processing Methods</b>	Extrusion Coating
<b>Features</b>	Good Adhesion, Copolymer, Good Heat Aging Resistance, High Heat Resistance, Good Thermal Aging Resistance, Good Thermal Stability
<b>Typical Customer Applications</b>	Coatings, Protective, Pipe Coating, Pipes

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.931	g/cm <sup>3</sup>
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 <sup>3</sup>
<i>Note: ISO 60</i>			
<b>Mechanical</b>			
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	%
<b>Hardness</b>			
Shore hardness (Shore D)	ISO 868	51	
<b>Thermal</b>			
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.