

# Visico™ LE0540

交联聚乙烯

Borealis AG

## Technical Data

### 产品说明

Visico LE0540 is a silane crosslinkable black polyethylene compound, specially designed for bonded semiconductive screen applications.

Visico LE0540 is highly suitable for co-extrusion with LDPE silane crosslinkable insulation materials.

Visico LE0540 is intended for semiconductive applications for silane crosslinkable medium voltage cables with rated voltages up to 36 kV.

Specifications:

- AEIC CS8
- BS 6622
- Cenelec HD 620 S-1
- IEC 60502
- ISO 1872-E/BA, KHXY, 23-G200, C30
- NF C33-223

Visico LE0540 a ready-to-use compound, which requires no further addition of a catalyst masterbatch. Visicom LE0540 crosslinks via the migration of catalyst from its co-extrusion with silane insulation layer. The excellent distribution of carbon black and additives in Visico LE0540 would result in an outstanding smooth semiconductive screen. Visico LE0540 offers easy and long extrusion performance.

### 总体

添加剂	• 碳黑	• 未指定的添加剂
特性	• 半导体 • 可加工性，良好	• 可交联 • 优良外观
用途	• 电线电缆应用 • 绝缘材料	• 粘合 • 中压绝缘
机构评级	• AEIC CS8 • BS 6622	• EC 1907/2006 (REACH) • HD 620 S1
外观	• 黑色	• IEC 60502 • NF C 33-223
加工方法	• 共挤出成型	

物理性能	额定值	单位制	测试方法
密度 <sup>3</sup>	1.08 g/cm <sup>3</sup>		ISO 1183
熔流率 (熔体流动速率) (190°C/21.6 kg)	25 g/10 min		ISO 1133
含水量 <sup>4</sup>	200 ppm		Karl Fisher
机械性能	额定值	单位制	测试方法
拉伸应力 (屈服)	13.0 MPa		ISO 527-2/25
拉伸应变 (断裂)	400 %		ISO 527-2/25
硬度	额定值	单位制	测试方法
肖氏硬度 (邵氏 D, 1 秒)	50		ISO 868
热性能	额定值	单位制	测试方法
热固性 <sup>5</sup> (200°C)	25 %		IEC 60811-2-1
老化	额定值	单位制	测试方法
Change in Tensile Properties - After Ageing 240 h (135°C)	< 20 %		IEC 60811-1-2
电气性能	额定值	单位制	测试方法
体积电阻率			ISO 3915
-- <sup>6</sup>	< 1.0E+3 ohms·cm		
-- <sup>7</sup>	< 1.0E+2 ohms·cm		

**Visico™ LE0540**

交联聚乙烯

**Borealis AG**

补充信息	额定值 单位制	测试方法
Pressure Test - High Temperature <sup>8</sup> (90°C) The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.	< 5.0 %	IEC 60811-3-1
挤出	额定值 单位制	
料筒2区温度	150 °C	
料筒3区温度	150 °C	
料筒4区温度	150 °C	
熔体温度	< 170 °C	
挤压说明		
Head Temperature: 150°C		