

Borlink™ LE4244R

Polyethylene

Borealis AG

Message:

Borlink LE4244R is a crosslinkable natural polyethylene compound, specially designed for insulation of energy cables.

General Information			
Features	Crosslinkable		
Uses	Insulation		
	Wire & Cable Applications		
Agency Ratings	CENELEC HD 632 S1		
	IEC 60502-2		
	IEC 60840		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (Base Resin)	0.922	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ISO 1133
Moisture	< 200	ppm	Karl Fisher
Hot Set ¹			IEC 60811-507
Elongation under load : 200°C	75	%	
Permanent deformation : 200°C	5.0	%	
Gottfert Elastograph	0.60 to 0.80	N·m	ISO 6502
Methanol Wash	< 1000	ppm	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	> 17.0	MPa	ISO 527-2/250
Tensile Strain (Break)	> 450	%	ISO 527-2/250
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strain at Break in Air (135°C, 168 hr)	< 20	%	IEC 60811-401
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+16	ohms·cm	IEC 60093
Electric Strength ²	> 22	kV/mm	IEC 60243-1
Dielectric Constant (50 Hz)	2.30		IEC 60250
Dissipation Factor (50 Hz)	3.0E-4		IEC 60250
Extrusion	Nominal Value	Unit	
Melt Temperature	125 to 135	°C	
NOTE			
1.	0.20 MPa		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

