

LG Chemical LUTENE CC0550BK PE Compound

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Description: LUTENE CC0550BK offer the following properties: high mechanical properties, good environmental stress cracking resistance, excellent wetherability and high speed extrusion to give a smooth glossy surface. LUTENE CC0550BK contains 2.6wt% finely dispersed carbon black and antioxidants, both of which together give an excellent resistance to thermal and oxidative degradations. Applications:

Sheathing of telecommunication and power cable CAS No: 1333-86-4 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUTENE-CC0550BK-PE-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.935 g/cc	0.935 g/cc	ASTM D1505
Environmental Stress Crack Resistance	>= 2000 hour	>= 2000 hour	ASTM D1693
Carbon Black Loading	2.6 %	2.6 %	ASTM D1603
Melt Flow	0.95 g/10 min @Load 2.16 kg, Temperature 190 Â°C	0.95 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	48	48	ASTM D2240
Tensile Strength at Break	14.22 MPa	2062 psi	500mm/min; ASTM D638
	13.5 MPa @Temperature 110 Â°C, Time 1.21e+6 sec	1960 psi @Temperature 230 Â°F, Time 336 hour	500mm/min; ASTM D638
Elongation at Break	700 %	700 %	ASTM D638
	>= 665 % @Temperature 110 Â°C, Time 1.21e+6 sec	>= 665 % @Temperature 230 Â°F, Time 336 hour	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	100 - 130 Â°C	212 - 266 Â°F	
Brittleness Temperature	<= -76.0 Â°C	<= -105 Â°F	ASTM D746

Descriptive Properties	Value	Comments
Stripping force	4-5 kg/12.7/mm	500mm/min, ASTM D903

Descriptive Properties	Value	Comments
UV Absorption Coefficient	>4000	ASMT D3349

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China