

Lushan EJ-1

High Density Polyethylene

Guangzhou Lushan New Materials Co., Ltd

Message:

Polyethylene Compounds for Steel Pipe Top Coats

Black high density polyethylene compounds Lushan EJ-1 for steel pipe top coats is used as anti-corrosion material for 2PE/3PE buried against-corrosion steel pipe coating system or coated steel plastic composite pipes in the application of oil & gas transportation pipeline and high pressure water pipeline systems. It contains dispersed carbon black with the purpose of excellent weathering properties. HDPE compounds Lushan EJ-1 for steel pipe top coats has good properties such as widely processing range, high Compatibility with adhesive and excellent mechanical properties, etc.

HDPE compounds Lushan EJ-1 for steel pipe top coats is designed to meet with requirements of the following National and International standards, under the condition that appropriate industrial processing method are applied under a continuous quality control system and when used in combination with copolymer adhesive resin Lushan L-5R& polyethylene compound top coats EJ-1 and a compatible powder epoxy.

NFA 49710
CAN/CSA-Z245.21
DIN 30670S
Draft ISO 21809-1

General Information			
Additive	Carbon Black (2%)		
Features	Good Weather Resistance		
	High Density		
Uses	Oil/Gas Applications		
	Pipe Coatings		
Agency Ratings	CSA Z245.21		
	DIN 30670		
	ISO 21809-1		
	NF A 49-710		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	> 0.940	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	> 0.17	g/10 min	
190°C/5.0 kg	1.5 to 2.5	g/10 min	
Carbon Black Content	> 2.0	%	ASTM D1603
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	> 20.0	MPa	ASTM D638
Tensile Elongation ² (Break)	> 600	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	115	°C	ISO 306/A50

Melting Temperature	130	°C	ISO 11357-3
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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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

