

EL-Lene™ D682PC

Linear Low Density Polyethylene
SCG Chemicals Co., Ltd.

Message:

EL-Lene D682PC is a black linear low density polyethylene compound. Well dispersed carbon black creates outstanding UV resistance.

General Information			
Additive	Carbon Black (2 to 3%)		
	UV Stabilizer		
Features	Good Flexibility		
	Good Processability		
	Good UV Resistance		
	High ESCR (Stress Crack Resist.)		
	Low Density		
Uses	Agricultural Applications		
	Corrugated Pipe		
	Industrial Applications		
	Piping		
Appearance	Black		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.941 to 0.948	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.20 to 0.28	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (F0)	> 1000	hr	ASTM D1693
Carbon Black Content	2.0 to 2.5	%	ISO 6964
Carbon Black Dispersion	< 3		ISO 18553
Hydrostatic Pressure Test	PE50		ISO 1167
Oxidation Induction Time (200°C)	> 40	min	ISO 10837
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	> 15.7	MPa	ISO 527-2/100
Tensile Strain (Break)	> 600	%	ISO 527-2/100
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 to 95.0	°C	
Drying Time	1.0 to 2.0	hr	
Melt Temperature	190 to 210	°C	

NOTE

1. Compound

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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

