

# ALKATEQ™ COMM2000

Linear Low Density Polyethylene

Marplex Australia Pty. Ltd.

## Message:

ALKATEQ™ COMM2000 is a linear low-density polyethylene (LLDPE) sheathing compound specifically designed for use in manufacture of cables. COMM2000 provides optimal processing performance for sheathing of cables, and also provides an excellent surface finish to the extruded cable. COMM2000 is compounded with antioxidants, and a high-quality, well-dispersed carbon black pigment to provide excellent outdoor weathering performance. ALKATEQ™ COMM2000 complies with the requirements of AS1049 for polyethylene sheath or jacket material.

General Information	
Additive	Antioxidant Carbon Black (3%)
Features	Antioxidant Good Processability Good Surface Finish Good Weather Resistance
Uses	Cable Jacketing Wire & Cable Applications
Agency Ratings	AS 1049
Processing Method	Coextrusion Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Carbon Black Content	2.5	%	AS 1049.2
Carbon Black Dispersion	< 5		AS 1049.2
Oxidation Induction Time (200°C)	50	min	ASTM D3895

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (3.20 mm)	> 15.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 3.20 mm)	> 600	%	ASTM D638

Extrusion	Nominal Value	Unit
Melt Temperature	200 to 250	°C

NOTE	
1.	50 mm/min
2.	50 mm/min

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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

