

**SPECIFICATION FOR CROSS LINKED POLYETHYLENE (XLPE)****INSULATION MATERIAL FOR SPECIAL VEHICLES****No: OFPM/R&D/SP/TROCELLEN, DT 24.09.2006****Amendment no:01, dt 24.03.2007****1. MATERIAL PROPERTIES:-**

OPERATING TEMPERATURE	-20°C TO +55°C
WATER ABSORPTION (DIN 52615)	<3% BY VOL AFTER 28 DAYS
FLEXIBILITY & ELASTICITY	EXCELLENT
COMPRESSION SET	GOOD
ODOUR	NEUTRAL
SURFACE STRUCTURE	PLAIN & SMOOTH

**2. COLOURS:-**

- a. 733-LIGHT GREY
- b. 775-DARK GREY

**3. ADDITIONAL FEATURES:-**

- a. EXCELLENT HEAT RESISTANT
- b. HIGH CO-EFFICIENT OF HEAT TRANSFER
- c. FIRE RETARDANT
- d. NON-BIODEGRADABLE MATERIAL
- e. NO FUNGUS TO BE ATTRACTED
- f. CRACKING RESISTANCE
- g. EASY INSTALLABLE & FULLY FLEXIBLE
- h. DUST PROOF AND TERMITE PROOF
- i. CROSS LINKED POLYETHYLENE (XLPE) INSULATION MATERIAL IS TO BE PRODUCED WITHOUT THE USE OF CFC, HCFC OR HCS AND SHOULD BE FREE FROM CADMIUM, LEAD STABILIZERS, TIN, ORGANIC SUBSTANCES AND OTHER HEAVY METALS
- j. MATERIAL SHOULD NOT EMIT DUST OR FIBRE PARTICLES

**4. DENSITY:-**

- a. For 10mm thickness,  $25 \pm 3 \text{ kg/m}^3$
- b. For 40mm thickness,  $33 \pm 4 \text{ kg/m}^3$