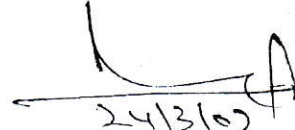


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CERTIFICATE

Certified that the specification No. OFPM/R&D/SP/TROCELLEN, (Specification for Troc ellen Material) hereby stands amended on ^{24th Mar} 23rd day of March, 2007. This is the first amendment issued to the specification. It contains 02 pages and is numbered 1 of 2 and 2 of 2.


24/3/07
(B.P. BABU)

JT. GENERAL MANAGER
ORDNANCE FACTORY MEDAK

तकनीकी सेवा अनुभाग
TECHNICAL SERVICE SECTION
वाहन निर्माणी जबलपुर
VEHICLE FACTORY JABALPUR
एस.आई.एस. तकनीकी पुनरीक्षित
SIS TECHNICALLY VETTED
दिनांक/DATE..... 31.3.2020


विभागीय अधिकारी
DO


क.का.प्र./टीएसएस
JWM/TSS

SECRET

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±3 kg/m³
- b. For 40mm thickness, 33±4 kg/m³

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Cross Linked Polyethylene (XLPE)

Amendment No: 01/Dt 23.03.07


5. THICKNESS:-

- a. Tolerance on thickness for 10mm is ± 1 mm
- b. Tolerance on thickness for 40mm is ± 3 mm

6. SUPPLY CONDITIONS:-

- The material is to be supplied in continuous roll form for 10mm thickness.
- 40mm thickness is to be supplied in pasted form, composing of (15+15+10mm) or (20+20mm) or (10+10+10+10mm) in lengths of 5m or 10m
- 10% of the total supply can be supplied in cut lengths, which will be a minimum of 500mmX1000mm length

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