

## TECHNICAL DATA SHEET

### DPCM600/5 Series (Pre-Oxidized Carbon Felt) Description and Advantages

**Description:**

Darco **DPCM Series** (also known as Panther Felt) is a Pre-Oxidized Carbon Felt inherently flame resistant insulation that can withstand short term temperatures up to 1000°C. This high temperature felt is woven from Polyacrylonitrile fibers (PAN fiber), a precursor to carbon fiber.

Pre-Oxidized Carbon Felt is commonly used for the fabrication of high temperature safety apparel because it is strong, lightweight, and easy to handle, cut, and sew. Felt insulation is also commonly used to fabricate welding blankets and welding protection because it's an easy to drape high temperature insulation that resists heat, sparks, and molten metal splatter.



**Applications:**

It's the ideal and excellent fabrics used welding blanket, fire protecting curtain as it is soft and not itchy like E glass fabrics.

Weight	600gsm
Thickness	5±1mm
Width – self edged	1000mm
Roll Length	50 metres
Service Temperature Constant Max	400°C continuous to 1000°C short term.
Lineal Shrinkage @ 700°C	
Weave	
Physiologically Harmless refer MSDS	Yes
Combustibility	Non combustible
Filament Diameter	
Tensile strength (Weft)	408N
Tensile strength (Warp)	205N