 An ISO 9001:2015 Company	INSULATION SKETCH	IN. SK. 46114
	INSULATION SYSTEMS ENGINEERING	Rev. No.: 00
	PTFE (TEFLON) COATED GLASS CLOTH	Rev. Dt.: 28/08/2019
		Sht. 1 of 2 shts.

**1.0 GENERAL:**

This specification governs the quality requirements of PTFE (TEFLON) coated glass cloth.

**2.0 APPLICATION:**

It is used in release application during hot pressing (approx. 160 °C to 180 °C temperature and at a pressure of approx. 40-50 kg/cm<sup>2</sup>). It is intended to be reused multiple times and maintain its release and other mechanical properties for long periods (extending up to several months).

**3.0 BASED ON:**

There is no national /international standard for this material.

**4.0 FORM OF SUPPLY:**

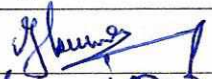
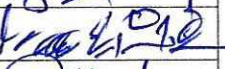
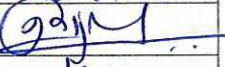

In rolls of 10 m length and 1 m width OR in sheet form of size 600 mm X 945 mm OR size mentioned on purchase order.


**5.0 PROPERTIES:**

- 5.1 Thickness of base glass fabric: 0.18 ± 0.02 mm
- 5.2 Thickness of PTFE coated glass fabric: 0.25 ± 0.025 mm
- 5.3 Total Substance: 450 gsm (Nominal)
- 5.4 Breaking Strength: ≥ 25 kg/cm
- 5.5 PTFE Content: 50 % (Nominal)
- 5.6 Max. Temperature Withstand Limit: 250 °C

**6.0 SHELF LIFE:**

Unlimited

Distribution:	Date of Rev. 00: 28/08/2019	Name	Signature
CIM ISE MDX QFD TSD	Prepared by	Gautam Kumar	
	Checked by	Bishwanath Oraon	
	Approved by	Anirudha Tijare	
	Issued by	Nidhi Gupta	
BHEL BHOPAL			

 An ISO 9001:2015 Company	INSULATION SKETCH	IN. SK. 46114
	INSULATION SYSTEMS ENGINEERING	Rev. No.: 00
	PTFE (TEFLON) COATED GLASS CLOTH	Rev. Dt.: 28/08/2019
		Sht. 2 of 2 shts.

**7.0 PACKING:**

Material shall be suitably packed so that it is protected from dirt, dust and moisture and is not damaged during transportation and storage.

**8.0 MARKING ON MATERIAL:**

- 8.1 PTFE (Teflon) coated glass cloth to IN. SK. 46114 Rev00
- 8.2 Supplier's name and grade of material
- 8.3 Supplier's lot no. / batch no.
- 8.4 Dimensions
- 8.5 Purchase order no.

**9.0 TEST CERTIFICATE:**

The supplier shall furnish 4 copies of test certificate as per specification.

**10.0 ACCEPTANCE CRITERIA:**

Material shall be accepted on the basis of test and / or compliance certificate furnished by the supplier and / or testing carried out at BHEL.

**11.0 REJECTION:**

BHEL reserves the right to reject the entire lot of the material if found not conforming to stipulations of this specification. Parts of the lot not subjected to testing but found to be defective and those with hidden defects can be rejected later on also. Material is also liable to be rejected if any problems related to desired performance in application are observed during usage in shop.