



PRODUCT STANDARD
TME DIVISION, BHOPAL

TME 2011

TM 88088

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SPECIFICATION OF ALKYD VARNISH (VI-294)

1. Scope

This specification describes Alkyd Varnish (VI-294) (hereafter abbreviated as varnish) to be used for adhesion and impregnation of coil.

2. Quality

Quality of this varnish is given in table 1.

3. Package

Standard package of this varnish is following. (net wt.)
4Kg, 16Kg

Table 1 (Testing method : JISC2103)

NO	Item	Property
1	Color	Amber
2	Specific gravity (25°C)	0.92±0.03
3	Viscosity (25°C poise)	1.0 - 3.0
4	Non volatile content (%)	45±3
5	Drying time on plate surface	<2hrs at 120°C
6	Film thickness covered on plate surface	Central part (mm) >0.03
		Lower part (%) <130
7	Volume resistivity (Ω-cm)	Normal (25°C) >1 X 10 ¹⁴
		Moistened (25°C) >1 X 10 ¹³
8	Dielectric strength (KV/0.1mm)	Normal (25°C) >9.0
		Moistened (25°C) >8.0
9	Oil proofness	24hrs at 120°C
10	Weight loss (%)	<7 (48hrs at 150°C)
11	Thinner	S-30
12	Shelf life (after mfg. date)	12 months at <30°C

5. This specification is equivalent to CLW specification no. A0175 rev 01.

Revision: 02 Table 1 modified	Distribution	Qty.	Approved: (M.Bhakta)		
Date: 27/09/2010	TME	1	Prepared:	Checked:	Date:
	TXM	1	Shishu pal	A.katdare	27/09/2010
	TNX	1	DE/TME	Mgr./TME	
	QMX	2			

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