



PRODUCT STANDARD
TME DIVISION, BHOPAL

TM 88094

TME 2011

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SPECIFICATION OF FINISHING VARNISH (WSY101)

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1. **Scope**
This specification describes Finishing Varnish (WSY101) (hereafter abbreviated as varnish) to be used for finishing of surface of electrical machines.

2. **Quality**

Quality of this varnish is given in Table 1.

Table 1

No.	Item	Property
1.	Color	Black
2.	Specific gravity (25°C)	0.90 ± 0.03
3.	Viscosity (25°C poise)	1.0 - 3.0
4.	Non volatile content (%)	50 ± 3
5.	Drying time on plate surface	< 1.5hrs at roomtemp
6.	Film thickness covered on plate surface	Central part (mm)
		> 0.03
7.	Volume resistivity (Ω - cm)	Lower part (%)
		< 130
7.	Volume resistivity (Ω - cm)	Normal (25°C)
		> 10 ¹⁴
8.	Dielectric strength (kV/0.1mm)	Moistened (25°C)
		> 10 ¹³
8.	Dielectric strength (kV/0.1mm)	Normal (25°C)
		> 5
9.	Oil proofness	Moistened (25°C)
		> 4
9.	Oil proofness	24hrs at 80°C
10.	-	-
11.	Thinner	S-20
12.	Shelf life (after mfg. date)	10 months at < 30°C
13.	Type	Synthetic varnish

3. **Package**
Standard package of this varnish is following. (net wt.)
4kg, 16kg

4. This specification is equivalent to CLW specification no. A0201 rev 01.

Revision: 02
Table1 modified

Date: 27/09/2010

Distribution

Qty.

Approved:
(M.Bhakta)

TME
TXM
TNX
QMX

1
1
1
2

Prepared:
Shishu pal
DE/TME

Checked:
A.katdare
Mgr./TME

Date:
27/09/2010