



PRODUCT STANDARD
TME DIVISION, BHOPAL

TM 88119

TME 2011

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SPECIFICATION OF FINISHING VARNISH (WSY195R)

1. **Scope**
This specification describes Finishing Varnish (WSY195R) (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.

No.	Item	Property
1.	Color	Red
2.	Specific gravity (25°C)	1.15 ± 0.30
3.	Viscosity (25°C poise)	6 - 22
4.	Non volatile content (%)	55 ± 5
5.	Drying time on plate surface	< 2hrs at room temp.
6.	Film thickness covered on plate surface	Central part (mm)
		> 0.05
7.	Volume resistivity (Ω-cm)	Lower part (%)
		< 140
7.	Volume resistivity (Ω-cm)	Normal (25°C)
		> 1 × 10 ¹³
8.	Dielectric strength (kV/0.1mm)	Moistened (25°C)
		> 1 × 10 ¹²
8.	Dielectric strength (kV/0.1mm)	Normal (25°C)
		> 5.0
9.	Oil proofness	Moistened (25°C)
		> 4.0
9.	Oil proofness	24hrs at 105°C.
10.	Weight loss (%)	< 15, 72hrs at 175°C
11.	Thinner	5-110
12.	Shelf life (after mfg. date)	10 months at < 10°C
13.	Type	Modified epoxy varnish

3. **Package**

Standard package of this varnish is following. (net wt.)

4kg, 16kg; *Preferable package is 0.5 Kg.*

4. The supplier shall also quote separately for the required quantity of suitable thinner for the product Offered. Required quantity shall, however, be decided & ordered by the purchaser at his option.

5. This specification is equivalent to CLW specification no. A0204 rev 02.

Revision: 02
Table 1 modified

Date: 27/09/2010

Distribution

Qty.

Approved:
(M.Bhakta)

Prepared:
Shishu pal
DE/TME

Checked:
A.katdare
Mgr./TME

Date:
27/09/2010

TME
TXM
TNX
QMX

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