ESCORT® CHEMICALS

TECHNICAL INFORMATION SHEET

ESCORT - 205 C

INSULATING VARNISH (CLEAR)

Technical Data :

Viscosity as Supplied :				
By 1733 Type B4 flow cup	:	90 - 130 seconds at 21ºC.		
Posies	:	2 - 2.5 at 25ºC.		
Non Volatile As Supplied	:	38 - 42%.		
Specific Gravity At 21ºC	:	0.94 - 0.98.		
Flash Point	:	Above 23ºC (73ºF).		
(Abel Closed Cup)		(Label 22 - 32ºC).		
Reducer	:	Any Compatible Solvent.		
Curing Cycle	:	Typical Figures.		
Minimum Time At Temp	:	60	20	
Minutes ºC	:	20	80	
Bond Strength	:	Not Applicable.		
Electrical Tests (Bundle Tests)	:			
Test Temperature	:	ºC	20	90
Breakdown Voltage	:	Volts / Mil	1000	800
	:	Volts / Micro Metre	39.4	31.6
BDV after 24 Hours In Water	:	Volts / Mil	400	
	:	Volts / Metre	15.8	
Comparative Tracking Index (C.T.I)	:	160.		

Resistant To	:	Alkali	Very Good
	:	Acids	Very Good
		Solvents	Good
		Transformer Oil	Very Good

*Storing cycles depending on component size and oven efficiency.

General Properties :

- Styrenated alkyd for durable chemical resistant finishes.
- Rapid Air drying in thin film.
- Can be stored up to 80ºC.
- Continuous working up to 130ºC (Class B), or as a finishing varnish on class “F” impregnated windings.
- Compatible with most normal insulating systems.
- Tough, flexible, anti-tracking finish, resistant to oil and moisture.
- Can be supplied with the addition of fungicide for use on components operating under tropical conditions.

Typical Applications :

- Air drying finish for coils, windings, insulating boards, moulding etc.
- Self fluxing printed circuit board varnish.
- Impregnation of small coils etc.

Workshop Practice :

- Rapid air drying one coat finish. Shelf like not less than 12 months in sealed containers.

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