

TECHNICAL DATA SHEET
BAWATHERM 1001 is THEIC modified imide (Class 220)

Product Description

This is a Class C THEIC modified imide based wire enamel, wires coated with BAWATHERM 1001 has resistance to refrigerants R-12 / R-22.It can be used as topcoat or a Sole coat. It is a very good replacement of traditional polyamide-imide enamel and its cresol soluble and free from NMP so application made easy.

MECHANICAL/PHYSICAL PROPERTIES		
Appearance	Clear Liquid	-
Solid Content 1g/180°C/1h	27±1%	34±1%
Size mm	UPTO 0.8	0.8 - 1.6
*Viscosity	300-500	1000-1500
Flash Point	40°	40°
Proposed Machine	horizontal machine for felt	horizontal & vertical plant for die
Diameter Of Bare Wire	0.5mm	-
Build-up of Enamel	0.065 mm	-
Elongation	32%	-
Flexibility Mandel Winding (15% pre-stretch, 1×D)	OK	-
Jerk Test	OK	-
Peel Test (nxd)	NA	-
Abrasion Resistance(Av)	10.0N	-

*Viscosity by Viscometer/Brook field at
23c C in cps

THERMAL PROPERTIES		
Heat Shock	2d / 240°C / 30 min	OK
Cut Through Temperature	360°C/2min	OK

CHEMICAL PROPERTIES

Solvent Resistance	-	-
Initial	3h	-
Std.Solvent	2h	-

ELECTRICAL PROPERTIES

Breakdown Voltage	at Rt	8.5kv
Tan Delta	Bending Point°C (Solid Block)	215-225

Recommended Thinner		Thinner W/E
PACKING	BAWATHERM 1001	210 kg in mild steel drums. 21 kg in mild steel drums.
SHELF LIFE	One year from date of manufacturing if stored in sealed container (at room temperature 25°C).	

DISCLAIMER

The values given in this technical data sheet are typical values and are intended as a guide only. Actual performance may vary depending on processing conditions, equipment, and wire size. This document does not constitute a product specification. Users should conduct their own tests to determine suitability for the intended application.