

TECHNICAL DATA SHEET
BAWAMID 733 – Modified Polyamide imide (Class 180)

PRODUCT DESCRIPTION

BAWAMID 733 is a class 180 THEIC modified polyesterimide wire enamel wire coated with BAWAMID733 gives excellent resistance to refrigerants in hermetic motors .BAWAMID733 can be used as base coat for manufacturing dual coating wires with polyamide-imide.

MECHANICAL/PHYSICAL PROPERTIES			
Appearance	Clear Liquid		
Solid Content 1g/180°C/1h	36±1%	40±1%	45 ± 1%
Size mm	0.05 to 0.500	0.5 to 2.0	1.6 to 5.0
*Viscosity	40-50	70-90	120-170
**Viscosity	300 - 400	600 - 500	1200 -900
Flash Point	40°	-	
Proposed Machine	horizontal machine for felt	horizontal & vertical plant for die	horizontal & vertical plant for die
Diameter Of Bare Wire	1.0mm		
Build-up of Enamel	0.070mm	-	
Elongation	36%	-	
Flexibility Mandel Winding (15% pre- stretch, 1×D)	OK		
Jerk Test	OK	-	
Peel Test (nxd)	160-180	-	
Abrasion Resistance(Av)	14N	-	

* VISCOSITY BY DIN CUP 4 AT 25C C IN SEC.
** VISCOSITY BY VISCOMETER AT 23°C

THERMAL PROPERTIES		
Heat Shock	2d / 200°C / 30 min	OK
Cut Through Temperature	220°C/2min	OK

CHEMICAL PROPERTIES

Solvent Resistance	-	-
Initial	4h	-
Std.Solvent	3h	-

ELECTRICAL PROPERTIES

Breakdown Voltage	at Rt	11
Tan Delta	Bending Point°C (Solid Block)	180-190

Recommended Thinner		Thinner W/E
PACKING	BAWAMID733	200 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.