

**BAWAMID 733**

- BAWAMID 733 is class 200 THEIC modified polyesterimide wire enamel Enamelled wire coated with Bawamid 733 gives excellent resistance to refrigerants in hermetic motors.
- BAWAMID 733 is specially suitable for rectangular conductors & Can be used for entire wire range starting from 1.6-5.0 mm and upto 60sq.mm Rect.
- BAWAMID 733 can be used as base coat for manufacturing dual coating wires with Polyamide-imide.

**Physical Properties**

Appearance	Clear Liquid		
Solid Content 1g/1800C/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 - 900	1200 -1500
Proposed Machine	horizontal machine for felt	horizontal & vertical plant for die	vertical plant for die
Flash Point	40°C		
Compatibility with thinner	1 : 1		

\* Viscosity by Din Cup 4 at 25° C in sec.

\*\* Viscosity by Viscometer at 23°C

**Mechanical Properties**

Diameter of bare wire	1.0 mm
Build up of enamel	0.070 mm
Elongation	36%
Flexibility Mandrel Winding (15% pre-stretch 1xd)	OK
Jerk Test	OK
Peel Test (nxd )	160 - 180
Abrasion (Av) (Unidirectional)	14N

**Thermal Properties**

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

**Chemical Properties**

Solvent Resistance	
Pencil Hardness	
Initial	4h
Std. Solvent	3h

**Electrical Properties**

Break Down Voltage kV	at RT	11.0
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**Tan Delta**

Bending Point °C ( solid block )	180-190
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Please note that all above-mentioned values may be changed according to the machine.

RECOMMENDED THINNER	Thinner W/E	
PACKING:	BAWAMID 733 Thinner PW/E	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).	

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