



Leading Manufacturer of
ELECTRICAL INSULATION MATERIALS

九江鑫星绝缘材料有限公司
JIUJIANG XINXING INSULATION MATERIAL CO.,LTD

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3240 ,G-10,G-11,FR-4,FR-5,EPGC308,ESD G10/FR4,EPGM SERIES,UPGM SERIES

TECHNICAL DATA SHEET

347H-EPGC308

Item:	347H Glass Epoxy Laminate			
Description:	347H sheet is made of alkali-free glass fiber cloth impregnated with flame retardant benzoxazine resin by hot pressing. It has good mechanical and dielectric properties, good heat resistance and moisture resistance, and high mechanical strength retention rate in hot state. The properties is similar to EPGC308.			
Standards:	GB/T 1303.2.2009● IEC60893:EPGC308(sheet)			
Application:	Suitable for 155 class (H) traction motor, large generator set as slot wedge and insulation structure.			
Availability:	Laminate Sheets:	Thickness	English Units(in) 0.008"-4.0"	SI unites(mm/cm) 0.2-101.6(mm)
		Sheet Size	40" x 48"	102cm x 122cm
			48" x 80"	122cm x 204cm
	Fabricated parts:	Xinxing Insulation custom fabricates insulation materials to the exact specifications and drawings of our customers.		

TYPICAL PROPERTIES OF 347H/EPGC308 SHEET

Key Characteristic	Units	IEC Requirement	Typical Values	Test Methods
PHYSICAL				
Standard color	--	--	Reddish Brown ¹	
Density	g/cm ³	1.8-2.0	1.9	GB/T 1303.2.2009
Water Absorption,24 hrs 2mm	mg	20 max	17	GB/T 1303.2.2009
MECHANICAL				
Flexural strength perpendicular to laminations (under normal condition)	MPa	340 min	465	GB/T 1303.2.2009
Flexural strength perpendicular to laminations (under 180±5℃)	MPa	170 min	348	GB/T 1303.2.2009
Charpy impact strength parallel to laminations (Notched)	kJ/m ²	33 min	140	GB/T 1303.2.2009
Tensile strength(MD)	MPa	300 min	420	GB/T 1303.2.2009
THERMAL				
Temperature Index	℃	180	180	-
Flammability	Class	HB	HB	UL-94



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ELECTRICAL

Electric strength perpendicular to laminations (at 90°C ±2°C in oil), 1mm in thickness	kV/mm	14.2 min	19.8	GB/T 1303.2.2009
Breakdown voltage parallel to laminations(at 90°C ±2°C in oil)	kV	35 min	50 min	GB/T 1303.2.2009
Insulation resistance(after 24h immersion in water)	MΩ	5x10 ⁴ min	1.7x10 ⁶	GB/T 1303.2.2009

¹Custom colors available upon request

The above values are for reference only and are taken from the average test results, and do not represent complete consistency with the actual performance of the material.