

Epotack®

Product Name	AD-45V/HQ-1W
Product Category	Adhesive for Fluoro-Ribber
Usage	Adhesive for Fluoro-Rubber
Function	

As supplied

(Typical Value)

Item	Condition	Unit	AD-45V	HQ-1W
Appearance	visual	—	Black	Milky white
Specific Gravity	25°C	—	1.47	0.97
Viscosity	25°C	mPa·s	1,500,000	8,400
Mixing Ratio	parts by weight		60/40	
Mixed Viscosity	25°C	mPa.s	54,000	

Standard Curing Condition 25°C x 24 hours or more

As cured

Item	Condition	Unit	Typical Value
Hardness	JIS K 7215 25°C	ShoreD	79
Glass Transition Temperature	TMA	°C	43
Coefficient of Thermal Expansion	below Tg	10 ⁻⁵ /°C	6.1
	above Tg	10 ⁻⁵ /°C	11.6
Flexural Strength	JIS K 6911 25°C 4mmt	MPa	57
Flexural Modulus	JIS K 6911 25°C 4mmt	MPa	3,000
Volume Resistivity	JIS K 6911 25°C	Ω-cm	1.6 x 10 ¹⁵
	JIS K 6911 boil for 2hrs	Ω-cm	7.0 x 10 ¹²
Water Absorption	JIS K 6911 boil for 2hrs	wt%	2.1
Shear Adhesive Strength	JIS K 6850 25°C Fluoro-Rubber	MPa	0.5[Interfacial failure]
	JIS K 6850 25°C Copper	MPa	16[Interfacial & Cohesive failure]

The above values are typical and not specification



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