

Product	Araldite[®]	Resin	CW 2250-1, CW 2250-1 yellow
	Aradur[™]	Hardener	HY 2251, HY 2251 blue
Application	Small transformers, filters, capacitors, coils, electronic circuits.		
Key properties	Optimally filled casting and impregnating systems for processing and curing at room temperature or slightly higher temperatures. Good dielectric properties up to 110°C. Good thermal shock resistance (-40°C/+120°C). Good thermal conductivity.		
Colour of casting	Beige, green		
Single components and mixture (guideline values)			
Mix ratio	Resin/Hardener	pbw	100 / 13
Viscosity @ 25°C	Resin	mPa*s	7500
Viscosity @ 25°C	Hardener	mPa*s	100
Viscosity @ 25°C / 40°C	Mixture	mPa*s	1700 / 800
Gel time @ 25°C / 40°C / 60°C	Gelnorm	min	135 / 95 / 39
Time @ 25°C / 40°C to increase viscosity to 15000 mPa*s		min	99 / 68
Properties of cured castings (guideline values)		Curing : 24h at RT + 6h at 60°C	
Glass transition temperature	ISO 11357-2	°C	50
Hardness Shore D	DIN 53505		88
Density	ISO 1675	g/cm ³	1.57
Flexural Strength	ISO 178	MPa	77
Elongation at break	ISO 178	%	1.34
Tensile strength	ISO 527	MPa	45
Elongation at break	ISO 527	%	1.45
Coefficient of thermal expansion	ISO 11359-2	ppm/K	Below Tg: Above Tg:
Thermal conductivity @ 25°C	ISO 8894-1	W/m*K	0.67
Flammability	UL 94	grade	CW 2250-1 / HY 2251 V-0 (6 mm)
			CW 2250-1 Yellow / HY 2251 Blue V-0 (4 mm)
Dissipation factor tanδ @ 50 Hz 25°C	IEC 60250	%	3.4
Dielectric constant εr @ 50 Hz 25°C	IEC 60250	[-]	4.6
Dielectric strength (2 mm test specimen)	IEC 60243-1	kV/mm	28
Specific volume resistivity @ 25°C	IEC 60093	Ω*cm	5 x 10 ¹⁴
UL file	Will be listed in file E 96722		

Extended datasheet, MSDS and general information regarding handling precautions are available on request by our [sales force](#).

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