

Product Data Sheet
VISTASOLAR® EVA Encapsulant
Type: 520.43 – Ultra Fast Cure – Transparent



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Technical Properties	Test method	Unit	Uncured	Cured
Density	ISO 1183-3	g/cm ³	0.97	0.96
Adhesion with glass	Solutia Internal	N/cm	--	> 60
Tensile strength	MD	ISO 527-3	MPa	6-7
	TD	MPa	6-7	25-30 ⁽¹⁾
Elongation at break	MD	ISO 527-3	%	> 1,000
	TD	%	> 1,000	300-500 ⁽¹⁾
Secant modulus at 1% elongation	ISO 527-3	MPa	35	30 ⁽¹⁾
Shrinkage on glass (120°C/5 min)	Solutia Internal	MD%	--	< 5
		TD%	--	< 5
Hardness shore A	ASTM D2240	--	--	70-80 ⁽¹⁾
Bulk Resistivity	ASTM D257	Ω·cm	--	> 1 x 10 ¹⁴
Thermal elongation at temperature	ISO 11359-2			
< -43°C (glass transition)		K ⁻¹	1.0 x 10 ⁻⁴	0.9 x 10 ⁻⁴
-43 bis -20°C		K ⁻¹	2.0 x 10 ⁻⁴	2.0 x 10 ⁻⁴
-19 bis +10°C		K ⁻¹	6.0 x 10 ⁻⁴	2.0 x 10 ⁻⁴
> 10°C		K ⁻¹	15.0 x 10 ⁻⁴	4.0 x 10 ⁻⁴
Optical transmission (390–1105 nm)	Solutia Internal	%	--	> 90
UV Cut off	Solutia Internal	nm	--	355
Refractive index	ISO 489	--	--	1.479

⁽¹⁾ These are typical values which may change according to cure conditions. Gel content recommended 80 – 90%.

This technical information is intended as a guideline only.

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