

Preliminary Product Data Sheet  
**VISTASOLAR® EVA Encapsulant**  
**Type: 520.78 – Ultra Fast Cure – UV Transmitting**



**SOLUTIA SOLAR GMBH**

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Technical Properties	Test method	Unit	Uncured	Cured
Density	ISO 1183-3	g/cm <sup>3</sup>	0.96	0.96
Adhesion with glass	Solutia Internal	N/cm	--	> 60
Tensile strength	MD ISO 527-3	MPa	9-11	17-25 <sup>(1)</sup>
	TD	MPa	9-11	17-25 <sup>(1)</sup>
Elongation at break	MD ISO 527-3	%	> 700	450-650 <sup>(1)</sup>
	TD	%	> 700	450-650 <sup>(1)</sup>
Secant modulus at 1% elongation	ISO 527-3	MPa	35	30 <sup>(1)</sup>
Shrinkage on glass (120°C/5 min)	Solutia Internal	MD%	--	< 5
		TD%	--	< 5
Hardness shore A	ASTM D2240	--	--	68-73 <sup>(1)</sup>
Bulk Resistivity	ASTM D257	Ω·cm	--	> 1 x 10 <sup>14</sup>
Thermal elongation at temperature	ISO 11359-2			
< -43°C (glass transition)		K <sup>-1</sup>	0.9 x 10 <sup>-4</sup>	0.9 x 10 <sup>-4</sup>
-43 bis -20°C		K <sup>-1</sup>	1.1 x 10 <sup>-4</sup>	1.3 x 10 <sup>-4</sup>
-19 bis +10°C		K <sup>-1</sup>	1.7 x 10 <sup>-4</sup>	2.3 x 10 <sup>-4</sup>
> 10°C		K <sup>-1</sup>	2.6 x 10 <sup>-4</sup>	3.0 x 10 <sup>-4</sup>
Optical transmission (390–1100 nm)	Solutia Internal	%	--	> 90
UV Cut off	Solutia Internal	nm	--	< 300
Refractive index	ISO 489	--	--	1.485

<sup>(1)</sup> 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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