

Product Data Sheet
VISTASOLAR® EVA Encapsulant
Type: 485 – Standard Cure – Transparent



SOLUTIA SOLAR GMBH

A subsidiary of Eastman Chemical

Industriestr. 3

D-89165 Dietenheim Germany

Telephone: +49 (0) 7347 9223-0

Technical Properties	Test method	Unit	Uncured	Cured
Density	ISO 1183-3	g/cm ³	0.95	0.96
Tensile strength	MD ISO 527-3	N/mm ³	6-7	8-14 ⁽¹⁾
	TD		6-7	8-14 ⁽¹⁾
Elongation at break	MD ISO 527-3	%	> 1,000	> 500 - 700 ⁽¹⁾
	TD	%	> 1,000	> 500 - 700 ⁽¹⁾
Secant modulus at 1% elongation	ISO 527-3	N/mm ³	5-6	7-9 ⁽¹⁾
Shrinkage on glass (120°C/5 min)	Solutia Internal	MD%	--	< 5
		TD%	--	< 5
Hardness shore A	DIN 53 505	--	--	76-79 ⁽¹⁾
Thermal elongation at temperature	ISO 11359-2			
< -43°C (glass transition)		K ⁻¹	1.0 x 10 ⁻⁴	.90 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 reflection (390–1105 nm)	Solutia Internal	%	--	8-9
Optical transmission (390–1105 nm)	Solutia Internal	%	--	> 92
UV Cut off	Solutia Internal	nm	--	360
Refractive index	ATM D542	--	--	1.482
VISTASOLAR 485.00	Surface	Structured non-sticky (one side)		
VISTASOLAR 485.10		Structured non-sticky (both sides)		

⁽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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