

Preliminary Product Data Sheet  
**VISTASOLAR® EVA Encapsulant**  
**Type: 550.78 – 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     | 7-9                    |
|                                    | TD               |                   | MPa     | 17-25 <sup>(1)</sup>   |
| Elongation at break                | MD               | ISO 527-3         | %       | 7-9                    |
|                                    | TD               |                   | %       | 17-25 <sup>(1)</sup>   |
| Secant modulus at 1% elongation    | ISO 527-3        | MPa               | > 700   | 450-650 <sup>(1)</sup> |
| Shrinkage on glass (120°C/5 min)   | Solutia Internal | MD%               | > 700   | 450-650 <sup>(1)</sup> |
|                                    |                  | TD%               |         |                        |
| Hardness shore A                   | ASTM D2240       | --                | 35      | 30 <sup>(1)</sup>      |
| Bulk Resistivity                   | ASTM D257        | Ω-cm              | --      | < 5                    |
| Thermal elongation at temperature  | ISO 11359-2      |                   |         | < 5                    |
|                                    |                  |                   |         |                        |
|                                    |                  |                   |         |                        |
|                                    |                  |                   |         |                        |
| Optical transmission (390–1100 nm) | Solutia Internal | %                 | --      | > 90                   |
| UV Cut off                         | Solutia Internal | nm                | --      | < 300                  |
| Refractive index                   | ISO 489          | --                | --      | 1.483                  |

<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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