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United Kingdom
Germany
Italy Sales Office

India
Hong Kong
Taiwan

Shanghai, China
Shenzhen, China
Japan
Korea

● Additional warehouses worldwide

About Targray

Founded in 1989, Targray Technology is a leading worldwide supplier of solar silicon and advanced materials and consumables to the Solar industry. Targray offers a full-line of innovative Photovoltaic materials which enable manufacturers to maximize their solar cell and module quality and reliability.

Targray has extensive experience in the distribution of solar grade silicon. Our comprehensive global infrastructure, including international sales and product teams, enables us to procure a wide variety of solar grade and IC materials ideal for use in the solar industry.

Through our unique focus on the PV industry, we bring you an experienced technical team with in-depth PV materials expertise. We provide you with the full support you need to test and select the right materials for your process. We've helped customers across the globe make the materials choices that have enabled them to lower their costs per watt. We can do the same for you.

Targray is a global company with operations and customers in over 50 countries throughout Asia, Europe and the Americas.

Why Targray? Because Materials Matter.

Frame Sealants
 Potting Agents
 Rail Attach Adhesives
 CPV Assembly



Targray is proud to collaborate with Momentive Performance Materials to provide module manufacturers with high performance solar industry-specific Silicone solutions. Silicone sealing and adhesive solutions have a proven track record in the field against UV, harsh weathering conditions as well as wide operating temperatures.

Frame Sealants, Junction Box Attach, CPV and Rail Attach Adhesives

Targray offers both 1-component and 2-component silicone sealants and adhesives. Silicone can offer protection against environmental ingress as well as mechanical and thermal shock stress. Silicone typically has excellent resistance to degradation over time by UV from the sun. In addition, Targray's silicone solutions can be considered for use in severe weather conditions as they typically have outstanding continuous operating performance in temperatures ranging from -60°C to +204°C / -75°F to +400°F. Let our team of PV experts design a customized silicone solution for you.

Potting Agents

Targray's line of reliable Potting Agents can help enhance the durability of junction boxes components. In addition to electrical insulation and fire resistance, our potting agents can help protect by-pass diodes in junction boxes through effective thermal management and weathering properties. Best of all, our Potting Agents typically have one of the fastest in class curing times to help reduce cycle times in your process.

Targray solar solutions are powered by Momentive Performance Materials, the company who first developed practical silicones. Together, we offer solar specific products that can help give you a competitive advantage. Our application engineers will recommend the optimal product according to your module design specifications and manufacturing processes.

Typical Physical Properties

(Note: Typical property data values should not be used as specifications)

Targray Part Number	Potential Application	Typical Advantages	UL Rating	Cure System	Tack Free Time	Work (Pot) Life	Cure Time	Viscosity [mPa.s]	Thermal Conductivity [W/(m.k)]	Dielectric Strength [kV/mm]	Tensile Strength [mPa]	Elongation [%]	Hardness [Type A]	Mix Ratio by Weight	Specific Gravity	Color	Product Life [Days]*
PSL110	Potting Agent for Junction Box	Low viscosity allows for excellent flowability Fast and adjustable cure, No cure inhibition Excellent deep section cure Primerless adhesion to many types of substrates	1 mm: UL 94 HB, RTI 105°C, HAI/CTI=0, HWI=4	2P-Alkoxy	20 mins	0.1 h	Ca. 72 h	Part A: 4000 Part B: 10 Mix: 3500	0.27	20	1.1	120	30	100:3	Part A: 1.20 Part B: 1.04	Part A: White Part B: Blue-Green Mix: Blue-Green	365
PSL120	Potting Agent for Junction Box	Recommended by several major junction box manufacturers Low viscosity allows for excellent flowability Fast and adjustable cure, No cure inhibition Excellent deep section cure Primerless adhesion to many types of substrates	2 mm: UL 94 V0, RTI 105°C, HAI/HWI/CTI=0	2P-Alkoxy	20 mins	0.1 h	Ca. 72 h	Part A: 4000 Part B: 15 Mix: 3000	0.4	26	3.0	70	60	100:7.5	Part A: 1.41 Part B: 1.08	Part A: Gray Part B: Blue Mix: Gray	365
PSL130	Potting Agent for Junction Box	Ultra fast cure - for high volume production Cure can be accelerated with heat Low viscosity allows for excellent flowability Solventless formulation	6 mm: UL 94 V0, RTI 105°C	2P-Addition Cure	< 2 min @ 150°C	2 – 4 mins	30 mins @ 25°C	1300	0.31	20.9	3.25	60	62	1:1	1.37	Dark Gray	545
PSL210	Frame Sealant Junction Box Attach	Fast tack-free time One component ready to use Room temperature cure Primerless adhesion to many types of substrates	3 mm: UL 94 HB, RTI 105°C, HAI/CTI=0, HWI=2	1P-Alkoxy	10 mins	–	Ca. 72 h	Paste	na	–	2.0	470	32	na	1.5	White	425
PSL220	Frame Sealant Junction Box Attach	Proven PV solution Fast tack-free time One component ready to use Room temperature cure Primerless adhesion to many types of substrates	0.75 mm: UL 94 HB, RTI 105°C, HAI/CTI=0, HWI=4	1P-Oxime	10 mins	–	Ca. 72 h	Paste	na	–	1.9	380	28	na	1.04	White	638
PSL240	Rail Attach Adhesive Frame Sealant Junction Box Attach CPV Assembly	Very fast room temperature cure Two component for controlled cure rates Primerless adhesion to many types of substrates Work life can be modified by adjusting ratio Excellent weatherability, ozone, and chemical resistance	–	2P Alkoxy	5 – 10 mins	10 – 20 mins	24 h	Paste	na	–	1.8	250	36	100:8	Part A: 1.37 Part B: 1.03 Mix: 1.35	Black	Part A: 425 Part B: 365

*Product Life = Total life from date of manufacture to date of expiry.

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