



PHOTOCAP® 15580P

Type of Product PHOTOCAP® 15580P is an ultra fast cure and PID resistant EVA (ethylene vinyl acetate copolymer) photovoltaic encapsulating film designed for use in all photovoltaic devices.

Product Benefits PHOTOCAP® 15580P has a short lamination cycle, excellent light transmission, and outstanding stability in the field.

Typical Applications PHOTOCAP® 15580P is typically used in crystalline silicon modules, often behind the cells with a high light transmission material such as PHOTOCAP® 15585P in front.

Typical Properties

| Property | Method | Units | Value |
|-------------------------------|------------|---------------------------|-----------------------|
| Tensile Strength | ASTM D638 | MPa | 15 |
| Ultimate Elongation | ASTM D638 | % | 530 |
| Adhesion to Glass / Backsheet | HBF | N/cm | 120 / 60 |
| MVTR | AFTM F1249 | g/m ² /24 hrs. | <25 |
| Water Absorption | ASTM D570 | Wt.% | <0.5 |
| Optical Transmission | ASTM E424 | % | 92% |
| UV Cut-off | ASTM E424 | nm | 360 |
| Shrinkage MD / TD | IEC 62788 | % | <3 / <1 |
| Volume Resistivity | ASTM D257 | Ohm cm | >5 x 10 ¹⁵ |
| Dielectric Strength | ASTM D149 | KV/mm | >25 |
| CTI | IEC 60112 | V | 600 |

Lamination Instructions Platen temperature: 140 - 150°C
Evacuation Time: 180 – 300 seconds
Cure Time: 300 – 360 seconds

Typical Packaging Please contact your local Sales Office for available packaging options.

Storage Conditions Clean and dry conditions below 40°C and 70% RH.
For best performance, the product should be stored and used at 65°F – 85°F. Do not freeze.

Disposal Advice Please refer to the SDS for disposal instructions.

Agency Approvals PHOTOCAP 15580P is a UL listed product in category QIHE2 Photovoltaic Polymeric Materials. Each HB Fuller manufacturing plant maintains a separate UL file. Please refer to UL file numbers E10488, E335471 and E335472.



Safety / Handling Advice

Please refer to the MSDS for additional safety advice. Avoid contact with skin and eyes. Product will irritate eyes if contact occurs. Skin irritation is possible on prolonged or repeated contact. Please refer to the SDS for additional safety advice or contact reg.request@hbfuller.com for all product regulatory stewardship needs.

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