

EVATANE[®] 28-25 PV

EVATANE[®] 28-25[®] is a random ethylene-vinyl acetate copolymer.

- EVATANE[®] 28-25 PV is exclusively dedicated to photovoltaic encapsulant films applications. The Vinyl Acetate content of EVATANE[®] 28-25 PV brings high electrical insulation, transparency, flexibility and softness. In cross-linked formulations, it exhibits high dimensional stability, fast curing and easy lamination.
- EVATANE[®] 28-25 PV is the material of choice for low PID EVA-based photovoltaic sheet.

Typical Properties

| | Test Method | Unit | Typical Value |
|------------------------------------------------|------------------------|-------------------|---------------|
| Vinyl Acetate Content | FTIR (internal method) | %.-wt. | 28 |
| Melt Index (190°C/2.16kg) | ISO 1133 | g/10min. | 25 |
| Melting Point | ISO 11357-3 | °C | 71 |
| Density | ISO 1183 | g/cm ³ | 0.95 |
| Vicat Softening Temperature (10N) ¹ | ISO 306 / ASTM D1525 | °C | <40 |
| Ring & Ball Temperature | ASTM E28 / NF EN 1238 | °C | 120 |
| Elongation at Break ¹ | ISO 527-2 / ASTM D638 | % | 1000 |
| Tensile Strength at Break ¹ | ISO 527-2 / ASTM D638 | MPa | 14 |
| Hardness Shore A ¹ | ISO 868 / ASTM D2240 | | 75 |

¹: On compression molded samples.

Processing

EVATANE® 28-25 can be processed on most conventional equipment used for thermoplastics. It is recommended to avoid melt temperatures above 230°C and to purge the equipment after a run is completed.

Storage, Handling & Safety

EVATANE® 28-25 should be stored away from heat, humidity and UV-light. Improper storage conditions may cause degradation and could have consequences on physical properties of the product.

Safety data sheet as well as information on handling and storage of the EVATANE® 28-25 are available upon request to your SK Functional Polymer representative.

Shelf Life

Three years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

The information above is believed to be accurate and represents the best information currently available to us. Your attention is directed to the pertinent Material Safety Data Sheets for the products mentioned herein. All sales are subject to SK Corporation's standard terms and conditions of sale, copies of which are available upon request and which are part of SK Functional Polymer invoices and/or order acknowledgments. Except as expressly provided in SK Corporation's standard terms and conditions of sale, SK Corporation makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and SK Corporation assumes no liability from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. SK Functional Polymer is a subsidiary of SK Global Chemical.