ARGOTEC

Argotec[™] ST-6050

General Description

- Typical application: Glass lamination optical interlayer film
- Polymer: Thermoplastic polyurethane, aliphatic polyether
- Key attribute: Elimates need for glass surface primer, clear, non yellowing and contains additive package for UV resistance On the SGCC[®] List of Accepted Interlayers

| Typical Property | | Typical Method | Value |
|----------------------------------|-------------|--|-----------------------------------|
| Gauge | | | 15 - 75 mils (375 - 1875 microns) |
| Width | | | Up to 60" (1.52 m) |
| Length | | | Up to 500 lin-ft (152.4 m) |
| Durometer | | ASTM D-2240 | 70A |
| Tensile strength @ 100% | | ASTM D-638 (Die-IV used with grip seperation rate of 20-in./min. on SU 50-mil film) | 360 psi (2.48 MPa) |
| Tensile strength @ 200% | | | 570 psi (3.93 MPa) |
| Tensile strength @ 300% | | | 1022 psi (7.05 MPa) |
| Tensile strength @ break | | | 5800 psi (39.99 MPa) |
| Tear strength | | ASTM D-624 | 275pli (48.13 kN/m) |
| DSC mid point, T _g °C | | N/A | -60 |
| TMA peak | | N/A | 190.4°F (88°C) |
| TMA range | | N/A | 149 - 266°F (65 - 130°C) |
| Coefficient of thermal expansion | | N/A | ~0.0002 L/Lo °C |
| Compression set, 22 hrs | @72°F/22°C | ASTM D-395 | 23 |
| | @158°F/70°C | | 95 |
| Haze* | | ASTM D-1003 | <1% |
| Visible Light Transmission* | | | 85 - 95% |
| UV Transmission* | | | <1% up to 380nm |
| Yellowness index* | | ASTM E - 313 | <1 |

* Film tested between two pieces of 1/8-in. glass; sample size 4" x 4" x 50-mil; lamination temp 175°F, time & pressure: 2-min. @ 400#, 2-min. @ 600#, 2-min. @ 1000#

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