

Royalite® R89

Flame Rated Weatherable Sheet

Product Description

Royalite® R89 thermoplastic sheet is a weatherable PVC that provides excellent impact, color and gloss retention under outdoor exposure conditions. Its weather resistance is superior to other materials in its class. The high impact and tensile strength, high stiffness, good formability and excellent weatherability allow for cost reductions by supporting thinner-walled parts.

Technical Properties

| Property | Test Method | Value* |
|--|-------------|---------------------|
| Specific Gravity (color dependent) | ASTM D-792 | 1.47 |
| Izod Impact (Notched) 72°F | ASTM D-256 | 10.0 ft-lbs/in |
| Gardner Impact 72°F | ASTM D-5420 | 320 in-lb |
| Tensile Strength | ASTM D-638 | 6,200 psi |
| Flexural Strength | ASTM D-790 | 9,500 psi |
| Flexural Modulus | ASTM D-790 | 320,000 psi |
| Rockwell Hardness (R Scale) | ASTM D-785 | 100 |
| Heat Deflection Temperature (@ 264 psi - annealed) | ASTM D-648 | 157°F |
| Mold Shrinkage | Internal | 0.005 - 0.007 in/in |
| Motor Vehicle Safety Standard | FMVSS 302 | Passes |
| Flammability | UL 94 V-0 | Listed @ 0.060" |
| Flammability | UL 94-5VA | Listed @ 0.060" |

**All values based on 0.125" unless otherwise stated*

For additional information, please contact Spartech at 800-677-4338 (800-67-SHEET), e-mail info@spartech.com or visit our website at www.spartech.com

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