



Royalite™ R59

Fire-rated sheet

Product Description

PolyOne's Royalite R59 is a chemical-resistant PVC/ABS fire-rated extruded sheet capable of withstanding high-impact conditions. Coupled with consistent high-quality color, texture, and gloss for a variety of applications including medical device housings and electrical appliances, Royalite R59 can be custom manufactured in gauges from 0.031" to 0.312".

Value Solution

With a controlled color match surface and the stiffness of R59, your products can maintain a new look longer and be able to withstand standard working and cleaning conditions. R59's high flexural modulus provides protection from incidental impact and cracking.

Royalite R59 can be utilized in imaging equipment housings, hospital beds, medication carts, and exam tables, and it meets UL requirements for fire rated sheet.

UL Listed:

- 94 V-0 at 0.085"
- 94 V-1 at 0.058"
- 94 5VA at 0.085"
- Ball Pressure Test

Key Characteristics

The primary features and benefits of Royalite R59 fire-rated sheet are:

- UL Certified and Flame Rated at variety of specs for demanding applications
- High flexural modulus - Creates durable, tough parts that will not deform or strain under stress
- Controlled color match surface
- High Heat Deflection Temperature - passes UL Ball Pressure Test

Passes Federal Motor Vehicle Safety Standard 302



Markets and End-Use Applications

Electronics

- Processing terminals, hand-held monitors, and GPS housings

Healthcare

- Diagnostic imaging equipment and other medical device housings, hospital beds, medication carts and exam tables

Transportation

- Bus seat backs and other small interior thermoformed parts



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