

Royalite™ R60

Fire-rated sheet

Product Description

Royalite™ R60 is a rigid, fire-rated, proprietary thermoplastic sheet specifically formulated to meet the requirements of the FAR 25.853a flammability test. It provides outstanding color, gloss and grain control while virtually eliminating grain and gloss retention problems after forming that are often found in other fire-rated materials.

Royalite R60 combines very high impact strength and stiffness with excellent formability in deep draws. It has high resistance to normal food and environmental stains, making the material easy to clean.

Value Solution

Royalite R60 sheet's outstanding thermoforming abilities create sharp, crisply detailed parts even after thermoforming. Its advanced formulation allows it to retain its color and grain detailing long after it is thermoformed, making durable, great looking parts. In addition to its excellent thermoforming abilities, R60 offers very high impact strength. This reduces overall costs resulting from high part stiffness in down gauging.

Key Characteristics

The primary features and benefits of Royalite R60 fire-rated sheet are:

- High tensile strength
- Fire-rated - Passes FAR 25.853a flammability* test
- Excellent formability - Can be used for a variety of products of varied size and function
- High resistance to food and environmental stains - easily cleaned
- Very high impact strength - Durable, long-lasting parts
- Available in a wide range of colors and textures ranging from smooth to deep-textured



Markets and End-Use Applications

Aircraft

Currently, Royalite R60 is being used in aircraft interiors that must meet FAR 25.853a. Commonly used for small thermoformed parts such as tray tables, arm rests, etc.

Electronics/Appliances

It is also ideal for a wide range of applications, such as computers, electronic instrumentation and business machine housings where rigidity in thin gauges, good flammability rating, high impact strength and excellent color, gloss and grain control are required.

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88 Long Hill Cross Road, Shelton, Connecticut, 06484 USA

ModernPlastics.com - National Toll-Free: 800.243.9696

Phone: 203.333.3128 - Fax: 203.333.4625 - sales@modernplastics.com

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