

Royalite™ R63 Fire-rated sheet



Product Description

Royalite R63 thermoplastic sheet is a unique ABS/PVC solution that is both electrically conductive and fire-rated. It meets the minimum static decay requirements outlined in MIL-B-81705C and NFPA Code 99 specifications. It is recognized under the component program of Underwriters Laboratories, Inc. with a classification of 94V-1 at 0.066".

Value Solution

Containers made from Royalite R63 thermoplastic sheet provide permanent static protection. R63 provides the dimensional stability typical of ABS plastics required for today's robotic material handling systems and combines high stiffness and abrasion resistance with excellent thermoformability.

Key Characteristics

The primary features and benefits of Royalite R63 electrically conductive, fire-rated sheet are:

- UL Certified and Flame Rated for demanding applications
- High dimensional stability
- Excellent Thermoformability
- Meets minimum static decay requirements outlined in MIL-B-81705C and NFPA Code 99 specifications

Target Markets & Applications

- **Electronics - Equipment housings and casings**



PolyOne Americas
33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000

PolyOne Asia
Guoshoujing Road No. 88
ZJ Hi-Tech Park, Pudong
Shanghai, 201203, China
+86 (0) 21 5080 1188

PolyOne Europe
Rue Melville Wilson 2
5330 Assesse, Belgium
+32 (0) 83 660 211

**PolyOne Designed Structures
and Solutions**
120 South Central Avenue, Suite 1700
Clayton, Missouri 63105
+1 888 721 4242

www.polyone.com

Copyright © 2013, PolyOne Corporation. PolyOne makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. PolyOne makes no warranties or guarantees respecting suitability of either PolyOne's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. POLYONE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.

*Spectar is a trademark of Eastman Chemical Company.