

Royalite® R63

Fire-rated, electrically-conductive sheet

Product Description

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

Technical Properties

Property	Test Method	Value
Specific Gravity	ASTM D-792	1.22
Tensile Strength	ASTM D-638	4,500 psi
Flexural Strength	ASTM D-790	7,100 psi
Flexural Modulus	ASTM D-790	280,000 psi
Rockwell Hardness (R Scale)	ASTM D-785	87
Heat Deflection Temperature (@264 psi - annealed)	ASTM D-648	165°F
Falling Dart Impact (-40°C)	ASTM D-5420	160 ft-lbs
Surface Resistivity	ASTM D-257	≤105 Ohm2

**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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