



Royalstat ABS/PVC R63

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

Royalstat ABS/PVC R63 Data

Test	Condition	Units	Value
Specific Gravity	ASTM D792	g/cm ³	1.22
Tensile Strength	ASTM D638	psi	4,500
Flexural Modulus	ASTM D790	psi	280,000
Flexural Strength	ASTM D790	psi	7,100
Falling Dart Impact	ASTM D5420 (-40°C)	Ft-lbs	160
Heat Deflection Temperature	ASTM D648	°F	165
Hardness	ASTM D785	Rockwell R	87
Surface Resistivity	ASTM D257	Ohm ²	≤10 ⁵

Spartech warrants that its products conform to its published specifications in effect at the time of sale, but Spartech expressly disclaims any warranties of the merchantability and of fitness for a particular purpose with respect to its products. The values shown above are representative of values that have been obtained in the testing of samples produced in various colors. Each user of the material should conduct his own testing and evaluations to determine the effectiveness, safety, and suitability of the material for its particular use.