

Royalstat R63

Acrylonitrile Butadiene Styrene + PVC

Spartech Plastics

Message:

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.

General Information			
UL YellowCard	E52355-242614		
Additive	Antistatic property		
Features	Good dimensional stability		
	Conductivity		
	Rigidity, high		
	Antistatic property		
	Good wear resistance		
	Flame retardancy		
Agency Ratings	MIL B-81705C		
	NFPA Code 99		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	87		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	31.0	MPa	ASTM D638
Flexural Modulus	1930	MPa	ASTM D790
Flexural Strength	49.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Dart Drop Impact (-40°C)	217	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	73.9	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+5	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.68 mm)	V-1		UL 94

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Recommended distributors for this material

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