

Royalstat R632

Acrylonitrile Butadiene Styrene + PVC

Spartech Plastics

Message:

ROYALSTAT™ R632 thermoplastic sheet from Royalite is a unique ABS/PVC material that is both electrically conductive and UL® listed. It meets minimum static decay requirements outlined in MIL-B-81705C and NFPA Code 99 specifications. R632 sheet is recognized under the component program of Underwriters Laboratories, Inc. with a classification of 94V-1 at 0.058", 94V-0 at 0.090" and 94-5VA at 0.090". Containers made from ROYALSTAT™ R632 sheet provide permanent protection against electrostatic discharge. R632 sheet provides the dimensional stability typical of ABS plastics, combining high impact strength, stiffness and abrasion resistance with good thermoformability.

General Information			
UL YellowCard	E52355-242615		
Features	Good dimensional stability		
	Conductivity		
	Rigidity, high		
	Antistatic property		
	Impact resistance, high		
	Good wear resistance		
	Flame retardancy		
Agency Ratings	MIL B-81705C		
Forms	Sheet		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.0	MPa	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Flexural Strength	48.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Dart Drop Impact			ASTM D3029
-40°C	197	J	ASTM D3029
23°C	197	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	68.3	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+5	ohms	ASTM D257

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Recommended distributors for this material

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