

Royalstat R635

Acrylonitrile Butadiene Styrene

Spartech Plastics

Message:

Royalstat R635 is an acrylonitrile butadiene styrene (ABS) product. It can be processed by thermoforming or vacuum forming and is available in North America. The application fields of Royalstat R635 include electrical/electronic applications, packaging, glue/gummed paper and military applications. The main characteristics are: good dimensional stability.

General Information	
Features	Good dimensional stability
	Antistatic property
Uses	Packaging
	Strap
	Electrical components
	Electronic data processing
Agency Ratings	MIL B-81705B
Forms	Sheet
Processing Method	Thermoforming
	Vacuum forming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	83		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	15.2	MPa	ASTM D638
Flexural Modulus	896	MPa	ASTM D790
Flexural Strength (Yield)	55.2	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5	ohms	ASTM D257

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