Royalstat R675

High Impact Polystyrene

Spartech Plastics

Message:

ROYALSTAT™ R675 thermoplastic sheet is a unique High Impact Polystyrene alloy that is electrically conductive. It meets the minimum static decay requirements outlined in MIL-B-81705C and NFPA Code 99 specifications and combines good stiffness, toughness and thermoformability with excellent electrostatic discharge (ESD) protection. Available in roll stock in thickness from 0.012" to 0.025" with a tolerance of ± 0.002", ROYALSTAT™ R675 sheet assures excellent performance on an in-line thermoformer and automatic chip placement systems. In thicker gauges (0.030" - 0.250"), R675 has excellent deep draw characteristics.

General Information			
Features	Conductivity Rigid, good Impact resistance, high Workability, good Good stripping Good toughness		
Agency Ratings	MIL B-81705C NFPA Code 99		
Forms	Sheet		
Processing Method	Thermoforming		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.07	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	75		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	20.7	MPa	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	270	J/m	ASTM D256
Dart Drop Impact (23°C)	22.6	J	ASTM D3029
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	83.9	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	< 1.0E+15	ohms	ASTM D257

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China