

# Royalstat R64

High Density Polyethylene  
Spartech Plastics

Message:

Royalstat R64 is a high density polyethylene product. It can be processed by vacuum molding and is available in North America.

General Information			
Features	Antistatic property		
Forms	Sheet		
Processing Method	Vacuum forming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.2	MPa	ASTM D638
Flexural Modulus	1310	MPa	ASTM D790
Flexural Strength (Yield)	22.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Dart Drop Impact (3.18 mm)	36.2	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	68.9	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5	ohms	ASTM D257
Volume Resistivity	1.0E+7	ohms·cm	ASTM D257

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