

Quadrant EPP Semitron® ESd 420 V

Polyether Imide

Quadrant Engineering Plastic Products

Message:

Quadrant EPP Semitron® ESd 420 V is a Polyether Imide (PEI) product. It can be processed by compression molding and is available in North America.

Typical application: Electrical/Electronic Applications.

Characteristics include:

Flame Rated

Antistatic

Chemical Resistant

General Information			
Additive	Antistatic		
Features	Alcohol Resistant		
	Antistatic		
Uses	Electrical/Electronic Applications		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
Water Absorption			ASTM D570
24 hr	0.21	%	
Saturation	1.4	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
E-Scale	78		
M-Scale	110		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6270	MPa	ASTM D638
Tensile Strength (Ultimate)	68.9	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	6270	MPa	ASTM D790
Flexural Strength (Yield)	109	MPa	ASTM D790
Compressive Modulus	3760	MPa	ASTM D695
Compressive Strength (10% Strain)	154	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	27	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	216	°C	ASTM D648
Maximum Use Temperature - Long Term, Air	171	°C	


Glass Transition Temperature	216	°C	ASTM D3418
CLTE - Flow ¹ (-40 to 149°C)	2.7E-5	cm/cm/°C	ASTM E831
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity ²	1.0E+6 to 1.0E+9	ohms	Internal Method
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.18 mm, Estimated Rating)	V-0		UL 94
NOTE			
1.	68°F		
2.	EOS/ESD S11.11		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT