

SD POLYCA™ IM5101V

Polycarbonate

Sumika Styron Polycarbonate Limited

Message:

SD POLYCA IM5101V is a glass reinforced high impact polycarbonate resin grade based on excellent properties of CALIBRE polycarbonate resin.

General Information	
Filler / Reinforcement	Glass fiber reinforced material
Features	Low density
	High tensile strength
	Impact resistance, high
Uses	Electrical housing
	Shell

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	71.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	3330	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	142	°C	ASTM D648

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Recommended distributors for this material

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