

# Product Information

*Dupilon*

Polycarbonate Resin

## Flame Retardant V-2 Mold Release

### **Iupilon S-2000VR**

Medium Viscosity

Properties	ASTM Standard	Condition	Units	Value
<b>Physical</b>				
Percentage of Filler and Reinforcing Materials			%	-
Specific Gravity	D792			1.20
Water Absorption	D570	23 degC 24h	%	0.23 - 0.26
<b>Thermal</b>				
Deflection Temperature Under Load	D648	455kPa 1820kPa	degC degC	136 - 142 130 - 136
Coefficient of Linear Thermal Expansion	D696	20 - 80 degC	10 <sup>-5</sup> /K	6 - 7
Flammability	UL94	1.6mm		V-2
<b>Mechanical</b>				
Tensile Strength	D638	23 degC	MPa	59 - 69
Tensile Modulus	D638	23 degC	GPa	-
Tensile Elongation	D638	23 degC	%	90 - 140
Flexural Strength	D790	23 degC	MPa	80 - 90
Flexural Modulus	D790	23 degC	GPa	2.3
Izod Impact Strength	D256	3.2mm with Notch	J/m	740 - 1000
Rockwell Hardness	D785			R122 - R124 M60 - 70
Taber Abrasion	D1044	CS17 1000g	mg/1000cy	-
<b>Electrical</b>				
Dielectric Constant	D150	10 <sup>6</sup> Hz	pF/m	25
Dielectric Dissipation Factor	D150	10 <sup>6</sup> Hz		0.008
Surface Resistivity	D257		ohm	>10 <sup>15</sup>
Volume Resistivity	D257		ohm-cm	2×10 <sup>16</sup>
Dielectric Strength	D149		MV/m	18 - 22
Arc Resistance	D495	Tungsten Electrode	s	-
Tracking Resistance	IEC112	CTI		-
<b>Molding Shrinkage (3mmt 100mm Disk)</b>				
		Parallel Direction	%	0.5 - 0.8
		Perpendicular Direction	%	0.5 - 0.8

These property values are not intended for specification purposes. All data subject to standard [warranty disclaimer](#).