

## COI Ceramics Sylramic™ S300 Silicon Carbide Ceramic Matrix Composite, SiC

Category : Ceramic , Carbide , Ceramic Matrix Composite

### Material Notes:

Description: Engineered ceramic composite structures for a broad range of industries and applications. Reinforcing Fiber Flexibility: S300 - Sylramic SiC Pre-ceramic Polymer Matrix Precursors: S300 - Crystalline (SiC + Si<sub>3</sub>N<sub>4</sub>) or SiC Physical Attributes: Dense Matrix (

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_COI-Ceramics-Sylramic-S300-Silicon-Carbide-Ceramic-Matrix-Composite-SiC.php](http://www.lookpolymers.com/polymer_COI-Ceramics-Sylramic-S300-Silicon-Carbide-Ceramic-Matrix-Composite-SiC.php)

Mechanical Properties	Metric	English	Comments
Tensile Stress	75.8 MPa	11000 psi	Process Temperature T4
	@Strain 0.0500 %	@Strain 0.0500 %	
	75.8 MPa	11000 psi	Process Temperature T1
	@Strain 0.0500 %	@Strain 0.0500 %	
	82.7 MPa	12000 psi	Process Temperature T2
	@Strain 0.0500 %	@Strain 0.0500 %	
	89.6 MPa	13000 psi	Process Temperature T3
	@Strain 0.0500 %	@Strain 0.0500 %	
	138 MPa	20000 psi	Process Temperature T4
	@Strain 0.100 %	@Strain 0.100 %	
	145 MPa	21000 psi	Process Temperature T1
	@Strain 0.100 %	@Strain 0.100 %	
	148 MPa	21500 psi	Process Temperature T2
	@Strain 0.100 %	@Strain 0.100 %	
	159 MPa	23000 psi	Process Temperature T3
	@Strain 0.100 %	@Strain 0.100 %	
	183 MPa	26500 psi	Process Temperature T4
	@Strain 0.150 %	@Strain 0.150 %	
	193 MPa	28000 psi	Process Temperature T1
	@Strain 0.150 %	@Strain 0.150 %	
	200 MPa	29000 psi	Process Temperature T2
	@Strain 0.150 %	@Strain 0.150 %	
	214 MPa	31000 psi	Process Temperature T3

<b>Mechanical Properties</b>	<b>@Strain 0.150 % Metric</b>	<b>@Strain 0.150 % English</b>	<b>Comments</b>
	<b>228 MPa</b>	<b>33000 psi</b>	<b>Process Temperature T4</b>
	@Strain 0.200 %	@Strain 0.200 %	
	<b>241 MPa</b>	<b>35000 psi</b>	<b>Process Temperature T1</b>
	@Strain 0.200 %	@Strain 0.200 %	
	<b>248 MPa</b>	<b>36000 psi</b>	<b>Process Temperature T2</b>
	@Strain 0.200 %	@Strain 0.200 %	
	<b>262 MPa</b>	<b>38000 psi</b>	<b>Process Temperature T3</b>
	@Strain 0.200 %	@Strain 0.200 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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