

Thermoplastics material



Shrinkage Properties		Filler Properties		Optical Properties		Environmental Impact		Quality Indicators	
Description	Recommended Processing	Rheological Properties	Thermal Properties	PVT Properties	Mechanical Properties				

Mechanical properties data

Elastic modulus, 1st principal direction (E1)	<input type="text" value="1978.46"/>	MPa
Elastic modulus, 2nd principal direction (E2)	<input type="text" value="1978.46"/>	MPa
Poissons ratio (v12)	<input type="text" value="0.3738"/>	
Poissons ratio (v23)	<input type="text" value="0.3738"/>	
Shear modulus (G12)	<input type="text" value="720.08"/>	MPa

Transversely isotropic coefficient of thermal expansion (CTE) data

Alpha1	<input type="text" value="6.818e-005"/>	1/C
Alpha2	<input type="text" value="6.818e-005"/>	1/C

[View test information...](#)

Single set of stress-strain curves

Name

Thermoplastics material

Shrinkage Properties		Filler Properties		Optical Properties		Environmental Impact		Quality Indicators		
Description	Recommended Processing	Rheological Properties	Thermal Properties	PVT Properties	Mechanical Properties					
Mechanical properties data										
Elastic modulus, 1st principal direction (E1)									4172	MPa
Elastic modulus, 2nd principal direction (E2)									3928	MPa
Poissons ratio (v12)									0.36	
Poissons ratio (v23)									0.43	
Shear modulus (G12)									1297	MPa
Transversely isotropic coefficient of thermal expansion (CTE) data										
Alpha1									4.91e-005	1/C
Alpha2									5.73e-005	1/C
View test information...										
Do not use matrix properties										
<input type="checkbox"/> Single set of stress-strain curves										
Name: NCell 40 : GreenCore Composites										
								<input type="button" value="OK"/> <input type="button" value="Help"/>		