



SHREE POLYFABRICATORS



Works : Plot No.C-8, MIDC, P.O. Malegaon, Tal. Sinnar, Dist. Nashik - 422 103.
 TeleFax : 02551-230613 Email: info@spfcomposites.com Website : www.spfcomposites.com

SMC DATA SHEET

Material : SMC Color : AS PER CUSTOMER REQUIREMENT		Date :- 2017-2018 Grade : SPF/MI/20	
TEST DETAILS	TEST METHOD	UNIT	Specified Value
PHYSICAL			
1. Density	ASTM D 792-2008	gm/cm ³	1.7-1.9
2. Glass Content	IS :13411-1992	%	19-21
3. Water absorption	IS :13410-1992	%	<0.2
4. Mould shrinkage	IS :13410-1992	%	0.15-0.2%
MECHANICAL			
1. Tensile Strength	ASTM D 638-10	Kg/cm ²	650
2. Flexural Strength	ASTM D790-02	Kg/cm ²	1400
3. Impact Strength	ASTM D256-92	Kg/m ²	50
4. Comp. strength	ASTM D695-08	Kg/cm ²	1950
ELECTRICAL			
1. Volume Resistivity	DIN-53482-1967	Log ₁₀ ohm cm	14
2. Surface Resistivity	DIN-53482-1967	Log ₁₀ ohm	12
3. CTI	DIN-53480-1972	Volts	+600
4. BDV	ASTM D 1816	KV	12
5. Dry Arc Resistance	ASTM D -495	sec	+180
THERMAL			
1. Flammability	UL 94	V0	V0
RECOMMENDATION			
1. Mould Temp.	-	°C	140-155
2. Mould Pressure	-	Kg/cm ²	30-100
3. Curing Time	Sec/mm Thickness	Sec	30-50
TYPE OF MOULDING	-	Compression	Compression
For Shree Polyfabrictors.			



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SMC DATA SHEET

Material : SMC

Color : AS PER CUSTOMER REQUIREMENT

Date :- 2017-2018

Grade : SPF/MI/25

TEST DETAILS	TEST SPECIFICATION	UNIT	Specified Value
PHYSICAL			
1. Density	ASTM D 792-2008	gm/cm ³	1.7-1.9
2. Glass Content	IS :13411-1992	%	24-26
3. Water absorption	IS :13410-1992	%	<0.20
4. Mould shrinkage	IS :13410-1992	%	0.1-0.2%
MECHANICAL			
1. Tensile Strength	ASTM D 638-10	Kg/cm ²	750
2. Flexural Strength	ASTM D790-02	Kg/cm ²	1600
3. Impact Strength	ASTM D256-92	Kg/m ²	50
4. Comp. strength	ASTM D695-08	Kg/cm ²	1800
ELECTRICAL			
1. Volume Resistivity	DIN-53482-1967	Log ₁₀ ohm cm	14
2. Surface Resistivity	DIN-53482-1967	Log ₁₀ ohm	12
3. CTI	DIN-53480-1972	Volts	+800
4. BDV	ASTM D 1816	KV	12
5. Dry Arc Resistance	ASTM D -495	sec	+180
THERMAL			
1. Flammability	UL 94	V0	V0
RECOMMENDATION			
1. Mould Temp.	-	°C	140-170
2. Mould Pressure	-	Kg/cm ²	30-100
3. Curing Time	Sec/mm Thickness	Sec	30-50
TYPE OF MOULDING		Compression	Compression
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SMC DATA SHEET

Material : SMC Color : AS PER CUSTOMER REQUIREMENT		Date :-2017-2018 Grade : SPF/MI/30	
TEST DETAILS	TEST SPECIFICATION	UNIT	SPECIFIED VALUE
PHYSICAL			
1 Density	ASTM D 792-2008	gm/cm ³	1.7-1.9
2 Glass Contain	IS :13411-1992	%	29-31
3 Water Absorption	IS :13410-1992	%	<0.2
4.Mould shrinkage	IS :13410-1992	%	0.1-0.2
MECHANICAL			
1. Tensile Strength	ASTM D 638-10		
2. Flexural Strength	ASTM D790-02	Kg/cm ²	1050
3. Impact Strength	ASTM D256-92	Kg/cm ²	2000
4. Comp. strength	ASTM D695-08	Kg/m ²	85
		Kg/cm ²	2300
ELECTRICAL			
1.Volume Resistivity	DIN-53482-1967		
2.Surface Resistivity	DIN-53482-1967	Log ₁₀ ohm cm	14
3.CTI	DIN-53480-1972	Log ₁₀ ohm	12
4.BDV	ASTM D 1816	Volts	+600
5. Dry ArcResistance	ASTM D -495	KV	12
THERMAL		sec	+180
1.Flammability	UL 94	V0	V0
RECOMMENDATION			
1. Mould Temp.	-	°C	140-155
2. Mould Pressure	-	Kg/cm ²	100-120
3. Curing Time	Sec/mm Thickness	Sec	30-50
	-		
TYPE OF MOULDING	Compression	Compression	Compression
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SMC DATA SHEET

Material : SMC

Color : AS PER CUSTOMER REQUIREMENT

Date :-2017-2018

Grade : SPF/MI/35

TEST DETAILS	TEST SPECIFICATION	UNIT	Specified Value
PHYSICAL			
1 Density	ASTM D 792-2008	gm/cm ³	1.7-1.95
2 Glass Contain	IS :13411-1992	%	34-36
3 Water Absorption	IS :13410-1992	%	<0.25
4.Mould shrinkage	IS :13410-1992	%	0.05-0.10
MECHANICAL			
1. Tensile Strength	ASTM D 638-10		1200
2. Flexural Strength	ASTM D790-02	Kg/cm ²	2350
3. Impact Strength	ASTM D256-92	Kg/cm ²	100
4. Comp. strength	ASTM D695-08	Kg/m ²	2500
		Kg/cm ²	
ELECTRICAL			
1.Volume Resistivity	DIN-53482-1967		14
2.Surface Resistivity	DIN-53482-1967	Log ₁₀ ohm cm	12
3.CTI	DIN-53480-1972	Log ₁₀ ohm	+800
4.BDV	ASTM D 1816	Volts	12
5. Dry ArcResistance	ASTM D -495	KV	+180
		sec	
THERMAL			
1.Flammability	UL 94	V0	V0
	-		
RECOMMENDATION			
	-		
1. Mould Temp.	Sec/mm Thickness	°C	140-160
2. Mould Pressure	-	Kg/cm ²	100-120
3. Curing Time		Sec	30-50
TYPE OF MOULDING	Compression	Compression	Compression

For Shree Polyfabrictor