



SAN 系列复合塑料物性表

compound datasheets

项目 Property		试验法 ASTM Method	单位 Units	SAN	SAN, GF20	SAN, GF30	SAN, GF40	SAN FR, GF20	SAN FR, GF30	
一般性质	比重 Specific Gravity	D792	-	1.07	1.21	1.3	1.4	1.45	1.52	
	成型收缩率 Mold Shrinkage	6.35mm截面	D955	%	-	-	-	-	-	
		3.18mm截面			0.3~0.7	0.2~0.35	0.1~0.2	0.05~0.15	0.15~0.25	0.05~0.25
吸水率(24 hours) Water absorption, 24 hrs @ 23oC	D570	%	-	-	-	-	0.2	0.15		
机械性质	冲击强度 Impact Strength	3.18mm截面(缺口) Notched Izod	D256	J/m	21	48	48	48	43	43
		3.18mm截面(无缺口) Unnotched Izod			214	240	240	214	187	214
	伸张强度 Tensile Strength	D638	MPa	72	107	117	124	97	103	
	延伸率 Tensile Elongation	D638	%	2~3	1~2	1~2	1~2	1~2	1~2	
	伸张模数 Tensile Modulus	D638	MPa	3448	7584	10342	13100	8619	12411	
	弹性强度 Flexural Strength	D790	MPa	124	145	152	172	145	152	
	弹性模数 Flexural Modulus	D790	MPa	3792	7584	9653	12411	8964	11722	
洛氏硬度 Rockwell Hardness	D785	-	-	-	-	-	122 R	123 R		
热性质	热变形温度 DTUL	at 264 psi (1.82 MPa)	D648	oC	85	-	-	-	99	99
		at 66 psi (0.455 MPa)			-	-	-	-	104	107
	连续使用温度 Continuous Use Temp.	UL-746B	oC	-	-	-	-	-	-	
	线性热膨胀系数 Coefficient of Linear Thermal Expansion	D 696	10 ⁻⁵ /oC	-	-	-	-	-	-	
防火等级 Flammability thickness	-	-	-	*HB @ 1.5 mm	*HB @ 1.5 mm	*HB @ 1.5 mm	*HB @ 1.5 mm	V-0 @ 0.8 mm	V-0 @ 0.8 mm	
电气性质	体积固有电阻 Volume Resistivity	D257	ohm-cm	-	-	-	-	>1e16	>1e16	
	表面电阻 Surface Resistivity	D257	ohm/SQ	-	-	-	-	-	-	
	静电消散(MIL-PRF-81705C) Static Decay	FTMS-4046.1	sec	-	-	-	-	-	-	

*Tested by factory.

Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.