



PEEK* 系列复合塑料物性表

compound datasheets

项目 Property		试验法 ASTM Method	单位 Units	PEEK, GF10	PEEK*, GF20	PEEK*, GF30	PEEK*, CF10	PEEK*, CF20	PEEK*, CF30	
一般性质	比重 Specific Gravity	D792	-	1.37	1.44	1.52	1.33	1.36	1.41	
	成型收缩率 Mold Shrinkage	6.35mm截面	D955	%	-	-	-	-	-	
		3.18mm截面			0.6	0.4	0.3	0.2	0.1	0.05
吸水率(24 hours) Water absorption, 24 hrs @ 23oC	D570	%	-	-	-	-	-	-		
机械性质	冲击强度 Impact Strength	3.18mm截面(缺口) Notched Izod	D256	J/m	53	64	85	48	69	80
		3.18mm截面(无缺口) Unnotched Izod			374	641	801	534	694	747
	伸张强度 Tensile Strength	D638	MPa	103	152	183	186	228	262	
	延伸率 Tensile Elongation	D638	%	2.5	2.7	2.5	2.5	1.7	1.6	
	伸张模数 Tensile Modulus	D638	MPa	6206	8964	11722	11032	19036	26201	
	弹性强度 Flexural Strength	D790	MPa	186	248	276	262	331	379	
	弹性模数 Flexural Modulus	D790	MPa	5516	8274	11032	9653	16548	24822	
洛氏硬度 Rockwell Hardness	D785	-	-	-	-	-	-	-		
热性质	热变形温度 DTUL	at 264 psi (1.82 MPa)	D648	oC	-	288	316	-	316	316
		at 66 psi (0.455 MPa)			-	-	-	-	-	
	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	-	-	**V-0 @ 1.5 mm	**V-0 @ 1.5 mm	**V-0 @ 1.5 mm	**V-0 @ 1.5 mm	**V-0 @ 1.5 mm	**V-0 @ 1.5 mm		
电气性质	体积固有电阻 Volume Resistivity	D257	ohm-cm	-	-	-	-	<1e5	<1e5	
	表面电阻 Surface Resistivity	D257	ohm/SQ	-	-	-	-	-	-	
	静电消散(MIL-PRF-81705C) Static Decay	FTMS-4046.1	sec	-	-	-	-	-	-	

*PEEK为PolyEtherEtherKetone(聚醚醚酮)根据ISO1043标准之缩写 **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.