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'TORAY'

40%玻璃纖維及防火 V-0 級 40% GLASS FIBER & FLAME RETARDANT V-0 GRADE PPS TORELINA A504 X 90

性能 Properties	ASTM 測驗方法 ASTM Standards	測試條件 Conditions	單位 Units	TORELINA A504 X 90
物理性能 Physical Properties				
填充成份 Filler Content	-	-	%	40
比重 Specific Gravity	D792	-	g/cc	1.67
吸水率 Water Absorption	D570	24hr, in 23oC water	%	0.02
收縮率 Molding Shrinkage	Toray	Machine Direction	%	0.2
		Transverse Direction		0.7
熱性能 Thermal Properties				
熱變形溫度 Heat Deflection Temperature	D648	1.82MPa	°C	>260
融點 Melting Point	DSC	-	°C	278
線膨脹係數 Coefficient of Linear Thermal Expansion	D696	Machine Direction	x10 ⁻⁵ /k	2.3
		Transverse Direction		3.2
溫度指數 Relative Temperature Index Electrical	UL-94	-	°C	200
溫度指數 Relative Temperature Index Mechanical Impact	UL-94	-	°C	200
溫度指數 Relative Temperature Index Mechanical Strength	UL-94	-	°C	200
燃燒性 Flammability	-	UL-94	-	V-0 (0.71mm)
機械性能 Mechanical Properties				
拉伸強度 Tensile Strength	D638	23°C	MPa	207
拉伸長度 Tensile Elongation	D638	23°C	%	3.6
撓曲強度 Flexural Strength	D790	23°C	MPa	275
彎曲模量 Flexural Modulus	D790	23°C	GPa	13.3
艾佐德衝擊值 Izod Impact Strength (3.2mm)	D256	notched, 23°C	J/m	130
		unnotched, 23°C	kJ/m ²	55
洛氏硬度 Rockwell Hardness	D785	-	R scale	122
電性能 Electrical Properties				
體積電阻係數 Volume Resistivity	D257	-	Ω.cm	10 ¹⁶
耐電壓 Dielectric Strength	D149	-	MV/mm	21
介電常數 Dielectric Constant	D150	10 ⁶ Hz	-	3.8
損耗正切 Dissipation Factor	D150	10 ⁶ Hz	-	0.002
電弧電阻係數 Acr Resistance (W electrode)	D495	-	sec	127

上列數據僅供參考，並不為此承擔任何責任和保證。

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