

Electroplating ABS POLYLAC® PA-727

Product Description: Electroplating

Properties	ISO Test Method	Test Condition	Unit	PA-727
Melt Flow Index	1133	220°C×10KG	ml/10 min	19
Mass Density	1183	23 °C	g/cm ³	1.05
Tensile Strength	527	50 mm/min, yield	MPa	46
		50 mm/min, break	MPa	34
Tensile Elongation	527	50 mm/min	%	25
Flexural Strength	178	2 mm/min	MPa	71
Flexural Modulus		2 mm/min	GPa	2
Izod Impact Strength	180/1A	23 °C Notched	KJ/m ²	24
		-30 °C Notched	KJ/m ²	11
Charpy Impact Strength	179	23 °C Notched	KJ/m ²	25
		-30 °C Notched	KJ/m ²	12
Vicat Softening Temp.	306	1 Kg,50 °C/hr	°C	105
		5 Kg,50 °C/hr	°C	98
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	83
		1.8 MPa Annealed	°C	100
Coefficient of Linear Thermal Expansion	11359	-	-	8.8 x 10 ⁻⁵
Flammability	-	UL-94	-	1.5mm HB
Mold Shrinkage	294-4	-	%	0.4~0.7
Symbol	1043	-	-	>ABS<

January 16, 2017

Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own test

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Electroplating ABS POLYLAC[®] Characteristics PA-727

特性 PROPERTIES	測試方法 ASTM TEST METHOD	測試條件 TEST CONDITION	單位 UNIT	電鍍級 ELECTROPLATING
				PA-727
熔融指數 Melt Flow Index	D1238	200 °C, 5 Kg	g/10 min	1.6
		220 °C, 10 Kg		-
比重 Mass Density	D792	23 °C	-	1.04
硬度 Hardness	D785	-	R Scale	113
拉伸強度 (屈服) Tensile Strength (Yield)	D638	6 mm/min	Kg/cm ²	465
			lb/in ²	6590
延伸率 Tensile Elongation	D638	6 mm/min	%	40
彎曲強度 Flexural Strength	D790	2.8 mm/min	Kg/cm ²	730
			lb/in ²	10300
彎曲彈性模數 Flexural Modulus	D790	2.8 mm/min	10 ⁴ Kg/cm ²	2.5
			10 ⁵ lb/in ²	3.5
IZOD 衝擊強度 Izod Impact Strength	D256 (Notched)	6.4 mm, 23°C	Kg-cm/cm	26
			ft-lb/in	4.7
		3.2 mm, 23°C	Kg-cm/cm	29
			ft-lb/in	5.3
維氏軟化溫度 Vicat Softening Temp.	D1525	1 Kg, 50 °C/hr	°C	106
			°F	223
熱變形溫度 Heat Distortion Temp.	D648	1.8 MPa Annealed	°C	97
			°F	207
		1.8 MPa Unannealed	°C	87
			°F	190
UL 燃燒等級 UL Flammability	UL 94	-	-	1.5 mm HB

May 2, 2013

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