

Flame Retardant ABS POLYLAC® PA-765

Product Description: F.R. High flow

Properties	ISO Test Method	Test Condition	Unit	PA-765
Melt Flow Index	1133	220°C×10KG	ml/10 min	50
Mass Density	1183	23 °C	g/cm ³	1.19
Tensile Strength	527	50 mm/min, yield	MPa	37
		50 mm/min, break	MPa	28
Tensile Elongation	527	50 mm/min	%	10
Flexural Strength	178	2 mm/min	MPa	55
Flexural Modulus		2 mm/min	GPa	1.8
Izod Impact Strength	180/1A	23 °C Notched	KJ/m ²	22
		-30 °C Notched	KJ/m ²	9
Charpy Impact Strength	179	23 °C Notched	KJ/m ²	23
		-30 °C Notched	KJ/m ²	10
Vicat Softening Temp.	306	1 Kg,50 °C/hr	°C	91
		5 Kg,50 °C/hr	°C	78
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	74
		1.8 MPa Annealed	°C	83
Coefficient of Linear Thermal Expansion	11359	-	-	8.39 x 10 ⁻⁵
Flammability	-	UL-94	-	1.0mm V-1 1.5mm V-0 1.5mm 5VB 2.5mm 5VA
Mold Shrinkage	294-4	-	%	0.3~0.6
Symbol	1043	-	-	>ABS-FR(17)<

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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Flame Retardant ABS POLYLAC® Characteristics

PA-765

特性 PROPERTIES	測試方法 ASTM TEST METHOD	測試條件 TEST CONDITION	單位 UNIT	防火級 FLAME RETARDANT
				PA-765
熔融指數 Melt Flow Index	D1238	200 °C, 5 Kg	g/10 min	5.0
		220 °C, 10 Kg		-
比重 Mass Density	D792	23 °C	-	1.19
硬度 Hardness	D785	-	R Scale	100
拉伸強度 (屈服) Tensile Strength (Yield)	D638	6 mm/min	Kg/cm ²	390
			lb/in ²	5530
延伸率 Tensile Elongation	D638	6 mm/min	%	15
彎曲強度 Flexural Strength	D790	2.8 mm/min	Kg/cm ²	620
			lb/in ²	8800
彎曲彈性模數 Flexural Modulus	D790	2.8 mm/min	10 ⁴ Kg/cm ²	2.1
			10 ⁵ lb/in ²	3.0
IZOD 衝擊強度 Izod Impact Strength	D256 (Notched)	6.4 mm, 23°C	Kg-cm/cm	18
			ft-lb/in	3.3
		3.2 mm, 23°C	Kg-cm/cm	22
			ft-lb/in	4.0
維氏軟化溫度 Vicat Softening Temp.	D1525	1 Kg, 50 °C/hr	°C	90
			°F	194
熱變形溫度 Heat Distortion Temp.	D648	1.8 MPa Annealed	°C	83
			°F	181
		1.8 MPa Unannealed	°C	73
			°F	163
UL 燃燒等級 UL Flammability	UL 94	-	-	1.0 mm V-1 1.5 mm V-0 1.5 mm 5VB 2.5 mm 5VA

May 2, 2013

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results by their own tests.

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