

## Flame Retardant ABS POLYLAC® Characteristics PA-765A

Product Description: F.R. High flow

Properties	ISO Test Method	Test Condition	Unit	Flame Retardant PA-765A
Melt Flow Index	1133	220°C × 10KG	ml/10 min	46
Mass Density	1183	23 °C	g/cm <sup>3</sup>	1.17
Tensile Strength	527	50 mm/min, yield	MPa	38
		50 mm/min, break	MPa	29
Tensile Elongation	527	50 mm/min	%	10
Flexural Strength	178	2 mm/min	MPa	56
Flexural Modulus		2 mm/min	GPa	1.8
Izod Impact Strength	180/1A	23 °C Notched	KJ/m <sup>2</sup>	23
		-30 °C Notched	KJ/m <sup>2</sup>	10
Charpy Impact Strength	179	23 °C Notched	KJ/m <sup>2</sup>	24
		-30 °C Notched	KJ/m <sup>2</sup>	10
Vicat Softening Temp.	306	1 Kg, 50 °C/hr	°C	93
		5 Kg, 50 °C/hr	°C	79
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	76
		1.8 MPa Annealed	°C	84
Coefficient of Linear Thermal Expansion	11359	-	-	8.48 x 10 <sup>-5</sup>
Flammability	-	UL-94	-	1.5mm V-1 2.1mm V-0 2.1mm 5VB 2.5mm 5VA
Mold Shrinkage	294-4	-	%	0.3~0.6
Symbol	1043	-	-	>ABS-FR(17)<

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

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