

## High Heat ABS POLYLAC® Characteristics PA-777B

Product Description: Medium heat, High impact

Properties	ISO Test Method	Test Condition	Unit	High Heat PA-777B
Melt Flow Index	1133	220°C × 10KG	ml/10 min	8.5
Mass Density	1183	23 °C	g/cm <sup>3</sup>	1.03
Tensile Strength	527	50 mm/min, yield	MPa	44
		50 mm/min, break	MPa	34
Tensile Elongation	527	50 mm/min	%	40
Flexural Strength	178	2 mm/min	MPa	67
Flexural Modulus		2 mm/min	GPa	2.2
Izod Impact Strength	180/1A	23 °C Notched	KJ/m <sup>2</sup>	21
		-30 °C Notched	KJ/m <sup>2</sup>	11
Charpy Impact Strength	179	23 °C Notched	KJ/m <sup>2</sup>	22
		-30 °C Notched	KJ/m <sup>2</sup>	11
Vicat Softening Temp.	306	1 Kg, 50 °C/hr	°C	114
		5 Kg, 50 °C/hr	°C	106
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	86
		1.8 MPa Annealed	°C	106
Coefficient of Linear Thermal Expansion	11359	-	-	8.4 x 10 <sup>-5</sup>
Flammability	-	UL-94	-	1.5mm HB
Mold Shrinkage	294-4	-	%	0.3~0.6
Symbol	1043	-	-	>ABS<

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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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