

## High Heat ABS POLYLAC® PA-777E

Product Description: Ultra High heat

Properties	ISO Test Method	Test Condition	Unit	PA-777E
Melt Flow Index	1133	220°C×10KG	ml/10 min	4.5
Mass Density	1183	23 °C	g/cm <sup>3</sup>	1.07
Tensile Strength	527	50 mm/min, yield	MPa	45
		50 mm/min, break	MPa	32
Tensile Elongation	527	50 mm/min	%	30
Flexural Strength	178	2 mm/min	MPa	74
Flexural Modulus		2 mm/min	GPa	2.3
Izod Impact Strength	180/1A	23°C, Notched	KJ/m <sup>2</sup>	12
		-30°C, Notched	KJ/m <sup>2</sup>	6
Charpy Impact Strength	179	23 °C Notched	KJ/m <sup>2</sup>	13
		-30 °C Notched	KJ/m <sup>2</sup>	6
Vicat Softening Temp.	306	1 Kg,50 °C/hr	°C	129
		5 Kg,50 °C/hr	°C	121
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	101
		1.8 MPa Annealed	°C	121
Coefficient of Linear Thermal Expansion	11359	-	-	8.2 x 10 <sup>-5</sup>
Flammability	-	UL-94	-	1.5mm HB
Mold Shrinkage	294-4	-	%	0.3~0.6
Symbol	1043	-	-	>ABS<

October 8, 2020

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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