

## High Heat ABS POLYLAC® PA-77NB

Product Description: Low emission, Low odour, Low gloss

Properties	ISO Test Method	Test Condition	Unit	PA-77NB
Melt Flow Index	1133	220°C×10KG	ml/10 min	10
Mass Density	1183	23 °C	g/cm <sup>3</sup>	1.06
Tensile Strength	527	50 mm/min, yield	MPa	45
		50 mm/min, break	MPa	-
Tensile Elongation	527	50 mm/min	%	50
Flexural Strength	178	2 mm/min	MPa	70
Flexural Modulus		2 mm/min	GPa	2.2
Izod Impact Strength	180/1A	23°C, Notched	KJ/m <sup>2</sup>	23
		-30°C, Notched	KJ/m <sup>2</sup>	-
Charpy Impact Strength	179	23 °C Notched	KJ/m <sup>2</sup>	21
		-30 °C Notched	KJ/m <sup>2</sup>	-
Vicat Softening Temp.	306	1 Kg,50 °C/hr	°C	115
		5 Kg,50 °C/hr	°C	108
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<

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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