

High Heat ABS POLYLAC[®] Characteristics PA-777D

Product Description: Super high heat

Properties	ISO Test Method	Test Condition	Unit	High Heat PA-777D
Melt Flow Index	1133	220°C × 10KG	ml/10 min	5.5
Mass Density	1183	23 °C	g/cm ³	1.06
Tensile Strength	527	50 mm/min, yield	MPa	45
		50 mm/min, break	MPa	33
Tensile Elongation	527	50 mm/min	%	34
Flexural Strength	178	2 mm/min	MPa	73
Flexural Modulus		2 mm/min	GPa	2.3
Izod Impact Strength	180/1A	23 °C Notched	KJ/m ²	13
		-30 °C Notched	KJ/m ²	7
Charpy Impact Strength	179	23 °C Notched	KJ/m ²	14
		-30 °C Notched	KJ/m ²	7
Vicat Softening Temp.	306	1 Kg, 50 °C/hr	°C	124
		5 Kg, 50 °C/hr	°C	117
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	97
		1.8 MPa Annealed	°C	117
Coefficient of Linear Thermal Expansion	11359	-	-	8.3 x 10 ⁻⁵
Flammability	-	UL-94	-	1.5mm HB
Mold Shrinkage	294-4	-	%	0.3~0.6
Symbol	1043	-	-	>ABS<

November 2, 2014

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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