CHIMEI
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CHI MEI CORPORATION

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High Heat ABS, POLYLAC® Characteristics

April 26, 2012

Properties	Test Method	Test Condition	Unit	PA-777B	PA-777D	PA-777E
Tensile Strength	**ASTM D638**	**3mm, 6mm/min**	**Kg/cm^2**	435	435	450
Tensile Elongation	**ASTM D638**	**3mm, 6mm/min**	**%**	15	15	10
Flexural Strength	**ASTM D790**	**6mm, 2.8 mm/min**	**Kg/cm^2**	650	680	700
Flexural Modulus	**ASTM D790**	**6mm, 2.8 mm/min**	**Kg/cm^2**	22000	23000	23000
Izod Impact Strength	**ASTM D256 (Notched)**	**6mm, 23℃**	**Kg-cm/cm**	20	14	11
		3mm, 23℃		23	17	12
Melt Flow Index	**ASTM D1238**	**200℃, 5Kg**	**g/10min**	-	-	-
		220℃, 10Kg		7.5	5.5	4
Hardness	**ASTM D785**	**-**	**R Scale**	112	115	115
Specific Gravity	**ASTM D792**	**23℃**	**-**	1.03	1.06	1.07
Vicat Softening Temp.	**ASTM D1525**	**3mm, 50℃/hr**	**℃**	115	125	129
Heat Distortion Temp.	**ASTM D648**	**Annealed**	**℃**	107	115	120
		Unannealed		97	105	109
Flammability	**UL 94**	**-**	**-**	1.6mm, HB	1.6mm, HB	1.6mm, HB

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