

High Heat ABS, POLYLAC® Characteristics

September 11, 2012

Properties	ISO	Test Condition	Unit	PA-777B	PA-777D	PA-777E
MVI	1133	220°C×10kg	ml/10min	7.5	5.5	4
Mass Density	1183	23℃	g/cm³	1.03	1.06	1.07
Tensile Strength	527	50mm/min, yield	MPa	45	45	44
		50mm/min, break	MPa	34	38	37
Tensile Elongation	527	50 mm/min	%	18	13	13
Flexural Strength	178	2 mm/min	MPa	70	73	71
Flexural Modulus	178	2 mm/min	GPa	2.2	2.3	2.2
Izod Impact Strength	180/1A	Notched	KJ/m ²	19	12	11
		Unnotched	KJ/m ²	-	125	95
Charpy Impact	179	Notched	KJ/m ²	20	11	11
		Unnotched	KJ/m ²	-	I	-
Vicat Softening Temp.	306	50°C/hr;1kg	°C	113	125	129
		50°C/hr;5kg	°C	105	115	119
H.D.T / A	75	1.8 MPa,unanneal	°C	95	103	106
		1.8 MPa,anneal	°C	105	113	118
Ball Indentation Hardness	2039-1	H358/30	-	91	102	99
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

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