

Chemical resistance ABS POLYLAC® PA-797

Product Description: Chemical Endurance

Properties	ISO Test Method	Test Condition	Unit	PA-797
Melt Flow Index	1133	220°C×10KG	ml/10 min	9.2
Mass Density	1183	23 °C	g/cm ³	1.05
Tensile Strength	527	50 mm/min, yield	MPa	43
		50 mm/min, break	MPa	33
Tensile Elongation	527	50 mm/min	%	30
Flexural Strength	178	2 mm/min	MPa	51
Flexural Modulus		2 mm/min	GPa	1.1
Izod Impact Strength	180/1A	23°C, Notched	KJ/m ²	35
		-30°C, Notched	KJ/m ²	–
Charpy Impact Strength	179	23°C, Notched	KJ/m ²	35.5
		-30°C, Notched	KJ/m ²	–
Vicat Softening Temp.	306	50°C/hr;1KG	°C	105
		50°C/hr;5KG	°C	95
Heat Distortion Temp.	75/A	1.8MPa, unannealed	°C	80
		1.8MPa, annealed	°C	99
Coefficient of Linear Thermal Expansion	11359	-	-	8.8 x 10-5
Flammability	-	UL-94	-	1.5mm HB
Mold Shrinkage	294-4	-	%	0.4~0.7
Symbol	1043	-	-	>ABS<

March 12, 2025

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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