



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	%	40
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	1 Kg,50 °C/hr	°C	105
		5 Kg,50 °C/hr	°C	95
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	80
		1.8 MPa 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<