

Chemical resistance ABS POLYLAC® PA-797

Product Description: Chemical Endurance

Properties	ASTM Test Method	Test Condition	Unit	PA-797
Melt Flow Index	D1238	200°C, 5 Kg	g/10 min	1.0
		220°C, 10 Kg		-
Mass Density	D792	23 °C	-	1.05
Hardness	D785	-	R Scale	108
Tensile Strength (Yield)	D638	6 mm/min	Kg/cm ²	450
			lb/in ²	6380
Tensile Elongation	D638	6 mm/min	%	40
Flexural Strength	D790	2.8 mm/min	Kg/cm ²	610
			lb/in ²	8680
Flexural Modulus		2.8 mm/min	10 ⁴ Kg/cm ²	2.15
			10 ⁵ lb/in ²	3.02
Izod Impact Strength	D256 (Notched)	6.4 mm, 23°C	Kg-cm/cm	31
			ft-lb/in	5.7
		3.2 mm, 23°C	Kg-cm/cm	-
			ft-lb/in	-
Vicat Softening Temp.	D1525	1 Kg,50°C/hr	°C	107
			°F	225
Heat Distortion Temp.	D648	1.8 Mpa Annealed	°C	97
			°F	207
		1.8 MPa Unannealed	°C	86
			°F	187
Flammability	UL-94	-	-	1.5 mm HB

September 20, 2023

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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