

Medical ABS POLYLAC® PA-704LRP

Product Description: Low residual monomer, medical application

Properties	ISO Test Method	Test Condition	Unit	PA-704LRP
Melt Flow Index	1133	220°C×10KG	ml/10 min	17
Mass Density	1183	23 °C	g/cm ³	1.05
Tensile Strength	527	50 mm/min, yield	MPa	47
		50 mm/min, break	MPa	34
Tensile Elongation	527	50 mm/min	%	70
Flexural Strength	178	2 mm/min	MPa	76
Flexural Modulus		2 mm/min	GPa	2.2
Izod Impact Strength	180/1A	23°C, Notched	KJ/m ²	19
		-30°C, Notched	KJ/m ²	9
Charpy Impact Strength	179	23°C, Notched	KJ/m ²	21
		Charpy -30°C, Notched	KJ/m ²	10
Vicat Softening Temp.	306	50°C/hr;1KG	°C	104
		50°C/hr;5KG	°C	100
Heat Distortion Temp.	75/A	1.8MPa, unannealed	°C	83
		1.8MPa, annealed	°C	98
Coefficient of Linear Thermal Expansion	11359	-	-	8.6 x 10 ⁻⁵
Flammability	-	UL-94	-	1.5mm HB
Mold Shrinkage	294-4	-	%	0.4~0.7
Symbol	1043	-	-	>ABS<

