



## PVC RODS TEST CERTIFICATES

### Mechanical Properties

S. NO	PROPERTIES	TEST METHOD	UNIT	VALUE
1	Tensile Strength at Yield	ISO527	Mpa	57
2	Elongation at Yield	ISO527	%	3
3	Tensile strength at break	ISO527	Mpa	31
4	Elongation at break	ISO527	%	>=10
5	Impact strength	ISO179	KJ/M <sup>2</sup>	no break
6	Notch Impact strength	ISO179	KJ/M <sup>2</sup>	4
7	Ball Indentation / Roackwell hardness	ISO 2039-1	Mpa	120
8	Shore -D	DIN 53505		82
9	Flexural strength	ISO178	Mpa	90
10	Modulus of elasticity	ISO527	Mpa	3100

### Thermal Properties

S. NO	PROPERTIES	TEST METHOD	UNIT	VALUE
1	Vicat- softening Point VST/B/50	ISO 306	°C	75
	VST/A/50		°C	-
2	Heat defiection temperature HDT/B	ISO 75	°C	72
	HDT/A		°C	-
3	Coefficient of linear thermal expansion	DIN 53752	k <sup>-1</sup> + 10 <sup>-4</sup>	0.8
4	Thermal Conductivity at 20°C		W/(m+k)	4.014

