

uPVC ELECTRICAL CONDUIT  
(As per IS 9537 Part - III)

TECHNICAL DATA

PHYSICAL PROPERTIES		THERMAL PROPERTIES	
specific Gravity	1.42	Vicat Softning Point	85 - 88 <sup>0</sup>
Opacity	< 2 %	Heat Reversion - Complies with IS -4985	
Water Absorption	< 4 mg/cm	Specific Heat	0.25 Cal/V/gm
Flame Propagation	Non		

MECHANICAL PROPERTIES

Tensile strength	500 - 550 Kg / cm <sup>2</sup>
Modulus of Elasticity	30,000 Kg / cm <sup>2</sup>
Impact Strength at 23 ± 20 C	5.8 times
Compressive Strength	550 - 700 Kg/cm <sup>2</sup>
Flexural Strength	7850 - 980 mg / cm <sup>2</sup>

ELECTRICAL PROPERTIES

Dlelectric Strength	With stands 2 KV AC for 15 minutes
Insulation Resistance at 60 <sup>0</sup> C	1.4 X 10 <sup>3</sup> Mega Ohms

Dimenssion & Tolerance of u PVC Conduits ( As per IS : 9537 : 1983 )

Nominal size	Maximum O.D	Minimum O.D	Minimum inside dia		
			Light	Medium	Heavy
16	16	15.7	13.7	13	12.2
20	20	19.7	22.1	16.9	15.8
25	25	24.6	22.1	21.4	20.6
32	32	31.6	28.6	27.8	26.6
40	40	39.6	35.8	35.4	34.4
50	50	49.6	45.8	44.3	43.2