



ELECTROPLAST® UNIVERSAL COMPOUNDING LLP

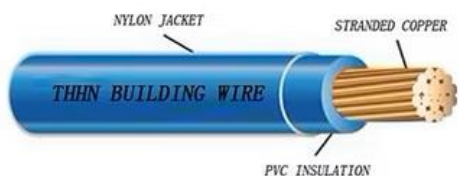
TECHNICAL DATA SHEET (EP-05 THHV INS)

Description: EP-05 is a Thermoplastic High Heat-Resistant Vinyl compound for insulation applications in a wide variety of cables. EP-05 is formulated with a high-quality vinyl chloride and vinyl acetate resin with plasticizers, stabilizers and flame-retardant additives.

Specifications: UL 83, 1015, 758, CSA C 22.2 No 210 & BS 623

Typical Properties:

Sr.	Parameter	Unit	Analysis Method	Observed Value
1	Density	gm / cm ³	1.38 + - 0.02	ASTM D-792
2	Hardness	Shore A	84 + - 2.0	ASTM-D-2240
3	Thermal Stability@200 ⁰ C	Minutes	>200	IS: 10810 (60)
4	Volume Resistivity@ 27°C	Ohm/m	3.2 X 10 ¹⁴	ASTM-D-257
5	Tensile Strength at break	MPa	14.60	ASTM-D-638
6	Elongation at Break	%	180	ASTM-D-638
7	Flame retardancy (self-extinguishing)	Seconds	12	IEC 60332-1
RoHS Substances				
1	Cadmium (Cd)	ppm	XRF-Spectrometer	n.d
2	Lead (Pb)	ppm	XRF-Spectrometer	320
3	Mercury (Hg)	ppm	XRF-Spectrometer	n.d
4	Hexavalent Chromium (Cr VI)	ppm	XRF-Spectrometer	n.d
5	Polybrominated Biphenyls (PBB)	ppm	XRF-Spectrometer	n.d
6	Polybrominated Diphenyl Ethers (PBDE)	ppm	XRF-Spectrometer	n.d
7	Bis(2-Ethylhexyl) phthalate (DEHP)	ppm	CG - MS	n.d
8	Benzyl butyl phthalate (BBP)	ppm	CG - MS	n.d
9	Dibutyl phthalate (DBP)	ppm	CG - MS	n.d
10	Di isobutyl phthalate (DIBP)	ppm	CG - MS	n.d



Plot No. 14, Waghodia, Vadodara, Gujarat - 390019 (BHARAT)