



ABLE INDUSTRIES

Y-3, Okhla Industrial Area, Phase-II, New Delhi-20
 Ph: 66601141, 666001142, Mob: 9810125243, Fax : 41707844
 E-mail: ableindustries@vsnl.net
 Web : www.ableindustries.in

SPECIFICATION OF PVC COMPOUNDS- WIRE & CABLES

Grade	Specific Gravity ±0.03 ASTM-D792	Shore A Hardness ±3 ASTM-D2240	Tensile Strength (Min) IS:10810	Elongation (Min) IS:10810	Loss of Mass (Max) IS:10810	Volatile Loss 3 hours at 130°C (Max)	Thermal Stability at 200°C (Min) IS:10810	VR X10 ¹³ at 27°C (Min) ASTM D-257	Conform to Standards	Application
Unit		Shore A	N/mm ²	%	mg/cm ²	%	Minutes	Ohm-cm		
AB-1	1.50	85	14	220	-	.....	30	...	....	General purpose PVC Compound
ABS-1	1.46	85	15	250	1.5	0.6	50	....	IS 5831	Sheathing(ST-1)
ABS-1A	1.42	88	16	250	1.6	0.7	50	...	IS 5831	Sheathing(ST-1)
ABS-1B	1.48	80	16	240	1.6	0.5	60	....	IS 5831	soft Sheathing(ST-1)
ABS-1C	1.45	90	16.5	230	2.0	0.5	60	....	IS 5831	Sheathing(ST-1)
ABS-1D	1.60	80	13	250	2.0	0.7	40	....	IS 5831	Sheathing(ST-1)
ABS-1E	1.48	80	15	250	2.0	0.5	50	....	IS 5831	Sheathing(ST-1)
ABS-2A	1.40	84	17	275	1.4	0.5	90	....	IS 5831	Sheathing(ST-2)
ABS-2B	1.46	85	17	250	1.6	0.5	90	....	IS 5831	Sheathing(ST-2)
ABS-2C	1.53	88	15	230	1.5	0.5	90	....	IS 5831	Sheathing(ST-2)
ABS-2D	1.45	88	16	230	1.5	0.5	90	....	IS 5831&BS6746	Sheathing(ST-2),TI-1 & Type-9(BS6746)
ABI-GP	1.45	88	16	240	1.5	0.7	80	3	IS 5831	General purpose Insulation
ABI-A	1.40	90	18	250	1.4	0.3	90	5	IS 5831	Insulation (Type-A)
ABI-ALF	1.40	90	18	250	1.4	0.3	90	4.5	IS 5831	Lead Free Insulation(Type-A)
ABI-A2	1.50	90	18	250	1.5	0.4	100	6	IS 5831	Insulation (Type-A)
ABI-B	1.36	95	21	200	1.5	0.3	110	50	IS 5831	Insulation (Type-B)
ABI-GP	1.58	88	14	220	1.6	0.7	60	1	IS 694	General purpose Insulation,Sheathing(ST-2)
ABI-AFRI	1.45	88	17	240	1.4	0.5	90	4.2	IS 5831	FR-Insulation(Type-A)
ABI-AFR2	1.48	90	17	230	1.5	0.4	90	5	IS 5831	FR-Insulation(Type-A)
ABI-AFR3	1.50	90	18	230	1.5	0.4	100	10	IS 5831	FR-Insulation(Type-A)
ABI-AFR3LF	1.50	90	17	220	1.5	0.5	90	7	IS 5831	Lead Free FR Insulation(Type-A)
ABS-2FRA	1.50	90	16	200	1.50	0.4	90	....	IS 5831	Sheathing FR(ST-2)
ABS-2FRB	1.47	88	17	190	1.6	0.5	80	....	IS 5831	FR- Sheathing(ST-2)
ABS-1FRLS	1.57	89	14	200	1.5	0.5	90	7	IS 5831	FRLS Sheathing(ST-1)
ABS-2FRLS	1.53	90	14	220	1.5	0.5	100	8	IS 5831	FRLS Sheathing(ST-2)
ABI-AFRLS	1.53	90	16	200	1.5	0.5	145	9	IS 5831	FRLS Sheathing(TYPE-A)
AB S/I FRLS	1.55	90	14	200	1.5	0.5	110	5	IS 5831	Insulation and Sheathing FRLS
AB-30LF	1.50	90	15	200	1.5	0.5	100	7	IS 5831	Lead Free FRLS Insulation (Type-A)and ST-2
AB-31LF	1.50	90	16	200	1.5	0.5	100	7	IS 5831	Lead Free Insulation(Type-A) and (ST-2)
AB40	1.35	90	19	220	N.A	0.5	125	7	IS 5831	Heat Resistant upto 105° C (HR)
AB41	1.36	90	19	220	N.A	0.5	120	7	IS 5831	Heat Resistant upto 85° C(HR)
AB41LF	1.36	90	19	220	N.A	0.5	120	5	IS 5831	Lead Free heat resistant upto 85° C (HR)
AB40LF	1.35	90	19	220	N.A	0.5	125	7	IS 5831	Lead Free heat resistant upto 105° C (HR)
AB(-40)	1.31	72	15	300	1.2	0.3	60	...	IS 5831	-40° C Insulation/Sheathing
AB(-55)	1.24	72	15	300	1.2	0.3	65	0.01	IS 5831	-55° C Insulation/Sheathing

REMARKS Test values are in granules.

The aforesaid Product are RoHS compliant as mark LF

FRLS COMPOUND: Smoke Density- 58%(Max) , L.O.I- 30.0%(Min), HCL- 18%(Max) & T.I-280 ° C.(Min.)

FR COMPOUND: L.O.I - 30% (Min) & T.I. - 280° C.(Min.)

The above properties are indicative and represent the values as tested in our Laboratories.Pl. refer to our testing policies, tolerances and parametrs.