

## PVC COMPOUNDS – FR & FRLS

Properties	Type as Per IS:5831					Application	Hardness	Specific Gravity	Oxygen Index	Smoke Density	Thermal Stability @ 200°C	Volume Resistivity @ 27°C	Tensile Strength	Elongation	% Change After Ageing			Mass Loss	Processing Conditions
	A	B	C	ST1	ST2										Conditions	TS	EL		
Test Method							DIN 5305	ASTM D792	ASTM D2863	ASTM D2843			IS:10810	IS:10810	IS:10810			IS:10810	
Units							Shore A		%	%	Minutes	x10 <sup>13</sup> Ohm. Cm	Kg/cm <sup>2</sup>	%	°C, Days	%	%	mg/cm <sup>2</sup>	°C
<b>FIRE RETARDANT</b>																			
KN-8F						FR Sheathing	86	1.55	31		70	3.0	125	200	80, 7	±20	±20	1><2	150-180
KN-F05						FR Insulation & Sheathing	91	1.52	32		130	5.0	160	200	100, 7	±20	±20	1><2	160-190
KV-6002						FR Insulation & Sheathing	88	1.48	32		110	5.0	150	210	100, 7	±20	±20	1><2	160-185
KV-6003						FR Sheathing	87	1.50	30		60	3.0	175	150	80, 7	±20	±20	1><2	160-185
KV-6006						Category 5E, IEC 332-3	89	1.50	33		150		130	250	100, 7	±20	±20	1><2	160-190
KV-6008A						Optical Fiber Buffer	95	1.36	30		100	1.0	200	250	100, 7	±20	±20	1><2	165-190
KV-6009						Optical Fiber Jacket	90	1.41	33		100	4.0	200	300	100, 7	±20	±20	1><2	160-190
KV-6011A						Category 5E, IEC 332-1	88	1.49	33		110	5.0	150	200	100, 7	±20	±20	1><2	160-185
<b>FIRE RETARDANT &amp; LOW SMOKE</b>																			
FRLS-I						FRLS	92	1.5	32	57	140	5.0	150	200	100, 7	±20	±20	1><2	160-190
FRLS-CZ						FRLS	92	1.55	33	55	130	5.0	160	220	100, 7	±20	±20	1><2	160-190



**kadakia plastics & chemicals pvt. ltd.**  
47-A, Nandjot Ind. Estate, Andheri-Kurla Road, Mumbai 400 072.

Tel.: +91 (22) 2851 6621 • Fax : +91 (22) 2851 6626  
E-mail: [info@kadakioplastics.com](mailto:info@kadakioplastics.com)  
website: [www.kadakioplastics.com](http://www.kadakioplastics.com)