



Properties of PRE-ELEC® Semiconductive Compounds for Cable Applications



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Product name	Applications	Volume resistivity (Ωcm)	Melt flow rate (g/10min)	Density (g/cm ³)	Hardness (Sh D)	Designed to meet
PRE-ELEC® CC7101	Polyethylene semiconductive jacket	30	190°C / 21.6 kg: 20	1.01	55	IEC 60502-2, IEC 60840, IEC 62067, & IEC 62895 ST7
PRE-ELEC® CC7102	Polyethylene semiconductive jacket	30	190°C / 21.6 kg: 15	1.06	53	IEC 60502-2, IEC 60840, IEC 62067, & IEC 62895 ST7
PRE-ELEC® CC7601	Polyethylene semiconductive jacket  Made in USA	50	190°C / 21.6 kg: 31	1.06	55	ICEA S-94-649, ICEA S-97-682 and ICEA S-108-720 Type I
PRE-ELEC® CC7602	Polyethylene semiconductive jacket  Made in USA	50	190°C / 21.6 kg: 18	1.07	60	ICEA S-94-649, ICEA S-97-682 and ICEA S-108-720 Type I & II
PRE-ELEC® CC2201 ¹	Polypropylene (PP-TPE) conductor and insulation screen for high and medium voltage cables	30	230°C / 5.0 kg: 6.0	0.99	50	HD 620 S3 Part 12
PRE-ELEC® CC2101	Polypropylene (PP-TPE) conductor and insulation screen for medium voltage cables	30	230°C / 5.0 kg: 2.0	1.02	45	HD 620 S3 Part 12
PRE-ELEC® CC4101	Polypropylene (PP-TPE) strippable insulation screen for medium voltage cables	50	230°C / 5.0 kg: 4.0	1.08	45	HD 620 S3 Part 12
PRE-ELEC® CC8201	Polyethylene semiconductive extruded filler	50	190°C / 21.6 kg: 6.0	1.04	70	
PRE-ELEC® CC5101	Polyethylene semiconductive adhesive	20	190°C / 5.0 kg: 3.2	1.03	50	
PRE-ELEC® CC3501	Thermoplastic polyethylene conductor and insulation screen for medium voltage XLPE cables	30	190°C / 5.0 kg: 1.6	1.04	55	HD 620 S3 Part 10
PRE-ELEC® CC9101	Thermoplastic polyethylene conductor and insulation screen for insulating down-conductors used in lightning protection systems	40	190°C / 5.0 kg: 1.5	1.05	50	IEC TS 62561-8

¹) Formerly known as PRE-ELEC® PP 18220

Notes

How can we help you?

Contact our sales:
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Premix Data Center:
www.premixgroup.com/data-center