



## PEXIDAN W&C Insulation System Properties

PEXIDAN® Grade	General Characteristics				Physical Properties		Temperature Performance		
	End Use Application	Specific Gravity	Catalyst System	FR Chemistry	Tensile Strength	Elongation	Low Temperature Brittleness	Deformation	Hot Elongation
		D792			UL2556 / D638 @ 2"/min (psi)	(%)	ASTM D746 (°C)	UL2556 (%)	ICEA T28-562 (%)
R/T	CSA RW90 Insulation	0.92	CAT-009 / CAT-019	Non-FR	2400	400	below -75	<5	<30
R/T-UV2	CSA RW90 Insulation, SR	0.92	CAT-288UV	Non-FR	2400	400	below -75	<5	<30
U/T	UL USE-2 / URD / 5kV unshielded insulation	0.92	CAT-008	Non-FR	2200	400	below -75	<5	<30
X/T	XHHW-2 / RHW-2 / USE-2 insulation	1.02	CAT-005FR	Halogen	2000	375	below -75	<5	<40
X/T-UV	XHHW-2 / RHW-2 / USE-2 / PV, SR	1.02	CAT-005FR- UV1	Halogen	2000	375	below -75	<5	<40
X/T-UV2	XHHW-2 / RHW-2 / USE-2, PV, SR	1.02	CAT-047FR- UV2	Halogen	2000	375	below -75	<5	<40
V/T	XHHW-2 / RHW-2 / PV, VW1	1.32	CAT-010FR	Halogen	1850	275	below -50	<5	<50
V/T-2	XHHW-2 / RHW-2 / PV, VW1	1.33	CAT-045FR	Halogen	2200	400	below -50	<5	<45
V/T-2UV	XHHW-2 / RHW-2 / PV, SR, VW1	1.28	CAT-083FR- UV	Halogen	2200	400	below -50	<5	<45
H/T	AWM, Coil Lead Wire ins.	1.08	CAT-012FR	Halogen	2200	300	below -50	<10	<45
J/T	SAE / ISO Auto Primary Wire Ins.	1.14	CAT-012FR	Halogen	2300	300	below -50	<10	<50
HF X/T	XHHW-2 / RHW-2, USE-2, low smoke	1.41	CM540U/1	Halogen Free	2200	400	below -42	<15	<35

Properties and Performance continued on page 2...

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PEXIDAN® Grade	Fire Performance		Rating		Electrical Properties				
	Flammability	LOI	UL/CSA Temperature Rating		Insulation Resistance at Rated Temperature	Relative Permittivity	Dielectric Constant	Dissipation Factor	Volume Resistivity
	UL2556 (except J/T) (rating)	ASTM D2863 (%)	UL1581 / C22.2 #38		UL2556	UL2556	ASTM D150	ASTM D150	ASTM D257
		Dry (°C)	Wet (°C)	(MΩ•1000ft)	(90°C & 60Hz)	(@100MHz)	(@100MHz)	(Ω•cm @ 19°C)	
R/T	None	N/A	90	90	240,000	2.38	2.28	0.00046	8.2 x 10 <sup>16</sup>
R/T-UV2	None	N/A	90	90	200,000	-	-	-	-
U/T	None	N/A	90	90	210,000	2.38	2.28	0.00046	8.2 x 10 <sup>16</sup>
X/T	FT2	23.5	90	90	21,000	2.50	2.34	0.0008	6.1 x 10 <sup>16</sup>
X/T-UV	FT2	23.5	90	90	21,000	2.50	2.34	0.0008	6.1 x 10 <sup>16</sup>
X/T-UV2	FT2	23.5	90	90	21,000	2.50	2.34	0.0008	6.1 x 10 <sup>16</sup>
V/T	VW-1, FT4/CT-Use	27	90/105	90	2,900	3.20	-	-	6.1 x 10 <sup>16</sup>
V/T-2	VW-1, FT4/CT-Use	27	90/105	90	3,600	3.10	2.49	0.0014	-
V/T-2UV	VW-1, FT4/CT-Use	27	90/105	90	3,600	3.10	2.56	0.0009	-
H/T	FT2	25	150	-	-	-	2.37	0.0008	-
J/T	J1128 45-degree	26	125	-	-	-	-	-	-
HF X/T	FT2, FT4/CT-Use	34	90	90	110	3.37	2.98	0.0027	-

The technical information contained herein is, to the best of our knowledge, believed to be accurate. However, SĀCO AEI Polymers makes no guarantee or warranty, and does not assume any liability, with respect to the accuracy or completeness of such information. Suitability of material for a specific final end use is the sole responsibility of the user. The data contained herein are typical properties only and are not to be used as specifications.

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