

Physical Properties	Unit	Test Method	58881	58313	58300	58214	58315	58311	58887	58888	58889	58212
Product Type			ETHER	ETHER	ETHER	ETHER	ETHER	ETHER	ETHER	ETHER	ETHER	ETHER
Hardness	shore	ISO 868	80A	82A	83A	85A	85A	87A	88A	88A	89A	94A/42D
Specific Gravity	g/cm ³	ISO 2781	1.1	1.11	1.1	1.11	1.12	1.12	1.13	1.13	1.12	1.15
Tensile Strength	MPa	ISO 37	23	35	28	35	37	42	42	38	54	36
Elongation	%		810	700	725	650	650	655	600	640	535	530
Tear Strength nicked	kN/m	ISO 34-1B	35	50	50	55	55	55	65	60	62	95
Abrasion Resistance	mm ³	ISO 4649	90	45	70	45	35	35	40	45	55	40
Vicat Softening Point A50	°C	ISO 306	60	44	60	67	73	73	79	80	80	80
Brittle Point	°C	ISO 812	\	-70	-65	-65	-65	-65	-65	-65	-65	-65

July 20, 2009

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Wire & Cable Selection Guide

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Physical Properties	Unit	Test method	58887	58244	58810	58215	58211	58219	58212	75AT3	58370	58881	58300	58202	58284	58309	58311
Product Type			ETHER	ETHER	ETHER	ETHER	ETHER	ETHER	ETHER	ETHER	ETHER	ETHER	ETHER	ETHER	ETHER	ETHER	ETHER
Hardness	shore	D-2240	87A	90A	90A/42D	90A/48D	90A/49D	92A/46D	95A/46D	74A	80A	80A	82A	85A	85A	85A	85A
Specific Gravity	g/cm ³	D-792	1.12	1.19	1.13	1.14	1.29	1.13	1.16	1.08	1.18	1.1	1.13	1.25	1.1	1.13	1.13
Tensile Strength	psi	D-412/ D-638	7000	4130	5550	6700	4050	9000	8000	3800	4300	3400	4500	4000	7000	6500	6600
Elongation	%	D-412/ D-638	490	640	525	500	340	450	400	660	690	710	700	650	550	570	520
Tensile Set	%	D-412/ D-638	21		25	20	53	27	20	6	15	10	15	17	8	21	14
Compression Set	%	D-395	23	31	25	24	37	32	36	24	33	18	24	25	19	22	18
Tg	°F		-51		-47	9	-36	-49	-13	-89	-58	-61	-58	-49	-47	-51	-56
Vicat	°F	D-1525	201	176	230	248	194	221	239		158	154	162	154	198	205	201
Flex Mod	psi	D-790	6190		5470	14100			10990		15750	2480	3110	6110		4200	4360
Taber	mg. CS-17	D-3389B	5		5	4.5	2	3	5		3	3	2.8	5	0	3	5
															Matte Surface		

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