

## Technical Data Comparison Sheet

		General Description	Mechanical Properties		Fire Properties	Other Properties		Standards References				
Application	Megolon Grade	All products are halogen free, fire retardant, low smoke and fume compounds	Tensile Strength (MPa)	Elongation At Break (%)	Oxygen Index (%)	Density (g/cc)	Melt Flow Rate (150°C, 21.6Kg)	EN 50363	VDE 0207	BS 7655	CEI 20-11	Other
Power Cables	S300	General purpose sheathing compound with good mechanical and processing properties	15	150	35	1.55	4.5	T17	HM2		M9	IEC 60092-359 SHF1 IEC 60502 ST8 NF C 32-323
	S382	Heavy duty general purpose sheathing compound	14	180	35	1.5	4.5	TM7	HM2 HM4	LTS1 LTS2 LTS3 LTS4	M1 M9	IEC 60092-359 SHF1 IEC 60502 ST8 NF C 32-323
	S384	Heavy duty sheathing compound with enhanced thermal resistance	14	220	34	1.46	8	TM7	HM2 HM4	LTS1 LTS2 LTS3 LTS4	M9	IEC 60092-359 SHF1 IEC 60502 ST8 NF C 32-323
	S386	Heavy duty sheathing compound with enhanced performance in fire tests	14	160	40	1.51	4	TM7	HM2 HM4	LTS1 LTS2 LTS3 LTS4	M9	IEC 60092-359 SHF1 IEC 60502 ST8 NF C 32-323
	S388	Heavy duty compound with enhanced fire performance	13	300	41	1.47	7	TM7	HM2 HM4	LTS1 LTS2 LTS3 LTS4	M9	IEC 60092-359 SHF1 IEC 60502 ST8 NF C 32-323
	S390	Heavy duty compound with superior fire performance	14	180	49	1.6	3	TM7	HM2 HM4	LTS1 LTS2 LTS3 LTS4	M9	IEC 60092-359 SHF1 IEC 60502 ST8 NF C 32-323
	S552	General purpose sheathing compound and also suitable for low voltage insulation	14	200	36	1.51	5.5	T17 TM7	HM2 HM4	LTS1 LTS2 LTS3 LTS4	M9	IEC 60092-359 SHF1 IEC 60502 ST8 NF C 32-323
	S670	Sheathing compound with enhanced char and fire performance properties, specially formulated for small power cables	14	200	45	1.57	4		HM2	LTS1 LTS3		IEC 60092-359 SHF1 EN 50290-2-27
	S672	Sheathing compound for HM4 applications with enhanced char and fire performance properties, specially formulated for small power cables	15	200	47	1.58	2.5		HM2 HM4	LTS1 LTS2 LTS3 LTS4		IEC 60092-359 SHF1 EN 50290-2-27
	S532	Flexible sheathing grade with low Youngs modulus and excellent fire retardancy with added char promotion	10	200	46	1.58	3		HM2 HM4			IEC 60092-359 SHF1 EN50290-2-28
	IN700	General purpose insulation compound	14	200	33	1.49	5.5	T16 TM7	HM2			
Data & Telecommunications	S500	General purpose sheathing compound with good mechanical and processing properties. Can also be used for insulation	11	180	35	1.46	6	T17	HM2		M1	IEC 60502 ST8 NF C 32-323
	S530	Highly flexible sheathing grade with a low Youngs modulus and excellent fire retardancy	12	185	40	1.58	1		HM2			IEC 60092-359 SHF1 IEC 60502 ST8
	S540	Flexible sheathing grade with a low Youngs modulus and excellent fire retardancy	11	170	45	1.57	9		HM2			IEC 60092-359 SHF1 IEC 60502 ST8
	S548	Flexible sheathing grade with low Youngs modulus and excellent fire retardancy with added char promotion	11	170	45	1.57	6		HM2			IEC 60092-359 SHF1 IEC 60502 ST8
	S642	General purpose sheathing compound with good mechanical and fire performance properties	12.5	150	40	1.53	6		HM2			IEC 60092-359 SHF1 IEC 60502 ST8
	S643WV	General purpose sheathing compound with good mechanical and fire performance properties with improved processing characteristics	13	170	40	1.54	5.5		HM2			IEC 60092-359 SHF1 IEC 60502 ST8 NF C 32-323
	HF 8110	General purpose compound suitable for thin wall applications with excellent processability	11.5	160	34	1.53	12		HM2			IEC 60092-359 SHF1 IEC 60502 ST8
	HF 1876	Tight buffering compound for fibre optic cables	11.5	170	35	1.53	16					
	S254	Tight buffer and loose tube compound	15	200	32	1.45	-		HM2 HM4	LTS2		IEC 60092-359 SHF1 IEC 60502 ST8
	S260	Tight buffer and loose tube compound with low shrinkage	15	300	34	1.5	5 (10kg, 190°C)	T16 T17 TM7	HM2 HM4	LTS1 LTS2 LTS3 LTS4		IEC 60092-359 SHF1 IEC 60502 ST8
	HF 8142	A flexible compound for high speed tight buffer applications	12.5	160	38	1.5	5	T16 TM7	HM2			IEC 60092-359 SHF1 IEC 60502 ST8
	S710	A flexible compound for high speed tight buffer applications	10.5	180	38	1.49	4.5	T16 TM7	HM2			IEC 60092-359 SHF1 IEC 60502 ST8
	Special Cables	HF 8037 DD	Very flexible sheathing compound with excellent resistance to oils, solvents and fluids	11.5	200	39	1.53					
S260		Durable sheathing compound with good resistance to oils	15	300	34	1.5	5 (10kg, 190°C)	T16 T17 TM7	HM2 HM4	LTS1 LTS2 LTS3 LTS4		IEC 60092-359 SHF1 IEC 60502 ST8
S304		Sheathing compound approved by CERN for radiation resistance performance	13	160	35	1.55	14					CERN IS 23 IEC 60092-359 SHF1 IEC 60502 ST8
S538		A flexible compound suitable for both the insulation and sheathing requirements of HD 21:14 cables	10	300	30	1.43	7.5	T17 TM7				HD 21:14 IEC 60092-359 SHF1 IEC 60502 ST8
S340		Good fire performance sheathing compound also suitable for microtubes	15	150	40	1.55	4.5	T17 TM7	HM2	LTS1 LTS3		IEC 60092-359 SHF1 IEC 60502 ST8 NF C 32-323
6348		Low smoke, halogen free, flame retardant compound suitable for injection moulding	11.5	120	34	1.48	-					