

GENERAL PROPERTIES OF FLODOMAT KNEADED MOULDING COMPOUND

PROPERTY	TEST METHOD	UNITS	8516/15	8516/20	8516/25	8551/25	8581/25
PHYSICAL	-	-	-	-	-	-	-
DENSITY	BS-2782-PART 5-509A-1970	gm/cc	1.70 - 1.90	1.70 - 1.90	1.70 - 1.90	1.70 - 1.90	1.70 - 1.90
MOULD SHRINKAGE	BS-2782-PART 6-640A-1979	%	0.10 - 0.20	0.10 - 0.20	0.10 - 0.25	0.10 - 0.25	0.05 - 0.10
REINFORCEMENT CONTENT	BS-5734-PART 1-1990	%	14 - 16	19 - 21	24 - 26	24 - 26	24 - 26
*WATER ABSORPTION	BS-2782-PART 4-430A-1983	%	<0.20	<0.20	<0.20	<0.20	<0.20
MECHANICAL	-	-	-	-	-	-	-
TENSILE STRENGTH	BS-2782-PART 3-320E-1976	Kg/sq.cm	400	500	600	600	550
FLEXURAL STRENGTH	BS-2782-PART 3-335A-1993	Kg/sq.cm	1000	1250	1300	1300	1250
COMPRESSIVE STRENGTH	BS-2782-PART 3-345A-1993	Kg/sq.cm	1500	1800	1900	1900	1800
IMPACT STRENGTH	BS-2782-PART 3-350-1993	Kg.cm/cm	40	45	50	50	50
ELECTRICAL	-	-	-	-	-	-	-
VOLUME RESISTIVITY	DIN-53482-1967	Log ₁₀ ohm cm	13	13	13	13	13
SURFACE RESISTIVITY	DIN-53482-1967	Log ₁₀ ohm	11	11	11	12	11
TRACKING INDEX	DIN-53480-1972	Volts	+800	+800	+800	+800	+800
DIELECTRIC STRENGTH	BS-2782-PART 2-201C-1970	KV/mm	10	10	10	10	10
ARC RESISTANCE	ASTM-D 495-1989	Seconds	+180	+180	+180	+180	+180
THERMAL	-	-	-	-	-	-	-
*MARTEN HDT TEST	DIN - 53462-1987	Deg C	+150	+150	+150	+150	+150
Flammability	UL- 94-1996	-	V0	V0	V0	V0	V0
RECOMMENDATION	-	-	-	-	-	-	-
MOULDABLE THICKNESS	-	mm	3.00 - 20.0	3.00 - 20.0	3.00 - 20.0	3.00 - 20.0	3.00 - 20.0
MOULD TEMPERATURE	-	Deg C	145 - 160	145 - 160	145 - 160	140 - 165	145 - 170
MOULDING PRESSURE	-	Kg/cm ²	20 - 80	20 - 80	20 - 80	20 - 80	20 - 80
CURING TIME	seconds/mm THICKNESS	Seconds	30 - 50	30 - 50	30 - 50	30 - 50	30 - 50
TYPE OF MOULDING	-	-	Compression	Compression	Compression	Compression	Compression

GENERAL PROPERTIES OF FLODOMAT KNEADED MOULDING COMPOUND

PROPERTY	TEST METHOD	UNITS	8581/20	8595/25	8595/30	8605/20	8616/20
PHYSICAL	-	-	-	Antistatic	-	-	-
DENSITY	BS-2782-PART 5-509A-1970	gm/cc	1.70 - 1.90	1.60 - 1.80	1.70 - 1.90	1.70 - 1.90	1.70 - 1.90
MOULD SHRINKAGE	BS-2782-PART 6-640A-1979	%	0.10 - 0.25	0.15 - 0.30	0.10 - 0.25	0.10 - 0.25	0.15 - 0.30
REINFORCEMENT CONTENTS	BS-5734-PART 1-1990	%	19 - 21	24 - 26	29 - 31	19 - 21	19 - 21
*WATER ABSORPTION	BS-2782-PART 4-430A-1983	%	<0.20	<0.30	<0.20	<0.20	<0.20
MECHANICAL	-	-	-	-	-	-	-
TENSILE STRENGTH	BS-2782-PART 3-320E-1976	Kg/sq.cm	500	600	500	375	500
FLEXURAL STRENGTH	BS-2782-PART 3-335A-1993	Kg/sq.cm	1000	1500	1000	900	1000
COMPRESSIVE STRENGTH	BS-2782-PART 3-345A-1993	Kg/sq.cm	1500	1800	1900	1250	1400
IMPACT STRENGTH	BS-2782-PART 3-350-1993	Kg.cm/cm	45	50	50	35	35
ELECTRICAL	-	-	-	-	-	-	-
VOLUME RESISTIVITY	DIN-53482-1967	Log ₁₀ ohm cm	13	-	13	13	13
SURFACE RESISTIVITY	DIN-53482-1967	Log ₁₀ ohm	11	5 - 9	11	11	11
TRACKING INDEX	DIN-53480-1972	Volts	+800	-	+800	+800	+800
DIELECTRIC STRENGTH	BS-2782-PART 2-201C-1970	KV/mm	10	-	15	10	10
ARC RESISTANCE	ASTM-D 495-1989	Seconds	+180	-	+180	+180	+180
THERMAL	-	-	-	-	-	-	-
*MARTEN HDT TEST	DIN - 53462-1987	Deg C	+150	+135	+125	+150	+150
Flammability	UL- 94-1996	-	V0	V0	V0	V0	V0
RECOMMENDATION	-	-	-	-	-	-	-
MOULDABLE THICKNESS	-	mm	3.00 - 20.0	3.00 - 20.0	3.00 - 20.0	3.00 - 20.0	3.00 - 20.0
MOULD TEMPERATURE	-	x 100 Deg C	145 - 170	120 - 160	140 - 160	140 - 160	140 - 160
MOULDING PRESSURE	-	Kg/cm ²	20 - 80	20 - 80	20 - 80	20 - 80	20 - 80
CURING TIME	seconds/mm THICKNESS	Seconds	30 - 50	30 - 50	30 - 50	30 - 50	30 - 50
TYPE OF MOULDING	-	-	Compression	Compression	Compression	Compression	Compression

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PROPERTY	TEST METHOD	UNITS	8660/20	8660/25	8660/30	8681/20	8512/20
PHYSICAL	-	-	-	-	-	-	-
DENSITY	BS-2782-PART 5-509A-1970	gm/cc	1.70 - 1.90	1.70 - 1.90	1.70 - 1.90	1.70 - 1.90	1.70 - 1.90
MOULD SHRINKAGE	BS-2782-PART 6-640A-1979	%	0.10 - 0.20	0.10 - 0.20	0.10 - 0.25	0.10 - 0.25	0.10 - 0.20
REINFORCEMENT CONTENTS	BS-5734-PART 1-1990	%	19 - 21	24 - 26	29 - 31	19 - 21	19 - 21
*WATER ABSORPTION	BS-2782-PART 4-430A-1983	%	<0.20	<0.20	<0.20	<0.20	<0.20
MECHANICAL	-	-	-	-	-	-	-
TENSILE STRENGTH	BS-2782-PART 3-320E-1976	Kg/sq.cm	450	600	700	450	500
FLEXURAL STRENGTH	BS-2782-PART 3-335A-1993	Kg/sq.cm	1000	1250	1600	1100	1100
COMPRESSIVE STRENGTH	BS-2782-PART 3-345A-1993	Kg/sq.cm	1400	1400	2000	1400	1500
IMPACT STRENGTH	BS-2782-PART 3-350-1993	Kg.cm/cm	40	40	70	40	45
ELECTRICAL	-	-	-	-	-	-	-
VOLUME RESISTIVITY	DIN-53482-1967	Log ₁₀ ohm cm	13	13	13	13	13
SURFACE RESISTIVITY	DIN-53482-1967	Log ₁₀ ohm	11	11	11	11	12
TRACKING INDEX	DIN-53480-1972	Volts	+800	+800	+800	+800	+800
DIELECTRIC STRENGTH	BS-2782-PART 2-201C-1970	KV/mm	10	10	10	10	10
ARC RESISTANCE	ASTM-D 495-1989	Seconds	+180	+180	+180	+180	+180
THERMAL	-	-	-	-	-	-	-
*MARTEN HDT TEST	DIN - 53462-1987	Deg C	+150	+150	+150	+155	+150
Flammability	UL- 94-1996	-	V0	V0	V0	V0	V0
RECOMMENDATION	-	-	-	-	-	-	-
MOULDABLE THICKNESS	-	mm	3.00 - 20.0	3.00 - 20.0	3.00 - 20.0	3.00 - 20.0	2.00 - 20.0
MOULD TEMPERATURE	-	x 100 Deg C	140 - 160	140 - 160	145 - 160	140 - 160	140 - 160
MOULDING PRESSURE	-	Kg/cm ²	20 - 80	20 - 80	20 - 80	20 - 80	20 - 80
CURING TIME	seconds/mm THICKNESS	Seconds	30 - 50	30 - 50	30 - 50	30 - 50	30 - 50
TYPE OF MOULDING	-	-	Compression	Compression	Compression	Compression	Compression

Note:

- Standard colors available are black, white & grey. If any other specific colour is required the same can be produced on requisition. 8595/25 (Antistatic) grade is available only in black.
- * Regular test certificate will not contain this data, as this parameter is only the supporting data.
- The above-furnished grades are standard available grades. Special grades can be compounded to customer's specifications & special applications