

# GM17 SST TECHNICAL SPECIFICATIONS

PROPERTIES	TEST METHODS	GM17 SST TECHNICAL SPECIFICATIONS						
		GEO 0.75 GM17	GEO 0.80 GM17	GEO 1.00 GM17	GEO 1.50 GM17	GEO 2.00 GM17	GEO 2.50 GM17	GEO 3.00 GM17
AVERAGE THICKNESS (mm)	UNE - EN 1849-2	≥ 0.713	≥ 0.76	≥ 0.95	≥ 1.43	≥ 1.90	≥ 2.38	≥ 2.85
MINIMUM THICKNESS OF 10 READS (mm)	UNE - EN 1849-2	≥ 0.638	≥ 0.68	≥ 0.85	≥ 1.28	≥ 1.70	≥ 2.13	≥ 2.55
AVERAGE ROUGHNESS HEIGHT (mm)	ASTM D 7466	≥ 0.40	≥ 0.40	≥ 0.40	≥ 0.40	≥ 0.40	≥ 0.40	≥ 0.40
DENSITY (g/cm <sup>3</sup> )	UNE - EN ISO 1183	≤ 0,939	≤ 0,939	≤ 0,939	≤ 0,939	≤ 0,939	≤ 0,939	≤ 0,939
FLUIDITY INDEX (190 °C, 5 kg)	UNE - EN ISO 1133	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5
TENSILE STRENGTH (%)	UNE - EN ISO 527-3, test tube 5	≥ 9	≥ 10	≥ 11	≥ 16	≥ 21	≥ 26	≥ 31
ELONGATION AT BREAK (%)	UNE-EN ISO 527-3, test tube 5	≥ 250	≥ 250	≥ 250	≥ 250	≥ 250	≥ 250	≥ 250
SECANT MODULUS 2% (N/mm <sup>2</sup> )	UNE - EN ISO 527-3, test tube 5	≤ 315	≤ 336	≤ 420	≤ 630	≤ 840	≤ 1050	≤ 1260
TEAR RESISTANCE (N)	ISO 34-1/B (a)	≥ 70	≥ 75	≥ 100	≥ 150	≥ 200	≥ 250	≥ 300
PUNCTURE RESISTANCE (N)	EN - ISO 12236	≥ 150	≥ 160	≥ 200	≥ 300	≥ 400	≥ 500	≥ 600
BENDING AT LOW TEMPERATURES (-77 °C)	UNE - EN 495-5	No cracks	No cracks	No cracks	No cracks	No cracks	No cracks	No cracks
HEAT BEHAVIOR (100 °C)	UNE - EN 14632	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
BREAK STRENGTH (h)	UNE - EN 14576	≥ 400	≥ 400	≥ 400	≥ 400	≥ 400	≥ 400	≥ 400
CARBON BLACK CONTENT (%)	ISO 6964	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3
CARBON DISPERSION (CATEGORY)	ISO 18553	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2
STANDARD OXIDATIVE INDUCTION TIME (OIT) (min)	UNE - EN 728	≥ 100	≥ 100	≥ 100	≥ 100	≥ 100	≥ 100	≥ 100
OVEN AGING AT 85°C (MINIMUM RETAINED % OF STANDARD OIT AFTER 90 DAYS)	Pr EN 14575 UNE - EN 728	≥ 35	≥ 35	≥ 35	≥ 35	≥ 35	≥ 35	≥ 35
OVER AGING AT 85°C (MINIMUM % VARIATION OF ELONGATION AT BREAK AFTER 90 DAYS)	Pr EN 14575 UNE - EN ISO 527-3, test tube 5	≤ 25	≤ 25	≤ 25	≤ 25	≤ 25	≤ 25	≤ 25
UV RESISTANCE (MINIMUM OIT % RETAINED AT HIGH PRESSURE AFTER 1600 HOURS)	EN 12224 UNE - EN 728	≥ 35	≥ 35	≥ 35	≥ 35	≥ 35	≥ 35	≥ 35
UV RESISTANCE (MINIMUM % CHANGE IN ELONGATION AT BREAK AFTER 1600 HOURS)	EN 12224 UNE - EN ISO 527-3, test tube 5	≤ 25	≤ 25	≤ 25	≤ 25	≤ 25	≤ 25	≤ 25
WATER ABSORPTION AT 24 HOURS (%)	UNE - EN ISO 62	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2
WATER ABSORPTION AT 6 DAYS (%)	UNE - EN ISO 62	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
RESISTANCE TO ROOT PERFORATIONS	Pr CEN/TS 14416	No perforations	No perforations	No perforations	No perforations	No perforations	No perforations	No perforations
ROLL LENGTH (m)	N/A	400	350	310	210	155	120	100
1/2 ROLL LENGTH (m)	N/A	200	175	155	105	77.5	60	50
1/4 ROLL LENGTH (m)	N/A	100	87.5	77.5	52.5	38.75	30	25
WIDTH (m)	N/A	7	7	7	7	7	7	7
AREA (m <sup>2</sup> ) PRESENTATION A	N/A	2800	2450	2170	1470	1085	840	700

→ THE WIDTH ( M ) COMES IN THE FOLLOWING PRESENTATIONS: 7M, 7.5M AND 8M.

→ THE AREA ( M<sup>2</sup> ) IS CALCULATED BY MULTIPLYING THE WIDTH OF THE ROLL BY THE LENGTH OF THE ROLL ( M )