



TECHNICAL DATA SHEET



TECHNICAL DATA		TEST STANDARD	UNIT	TROCELLEN AirPro
BARE FOAM				
DENSITY		ISO 845	Kg/m ³	25
TENSILE STRENGTH	Longitudinal Transversal	ISO 1798	Mpa Mpa	0.20 0.16
ELONGATION AT BREAK	Longitudinal Transversal	ISO 1798	% %	140 160
COMPRESSION STRESS STRAIN AT DEFLECTION	10% 25% 50%	ISO 3386	KPa KPa KPa	6 24 69
COMPRESSION SET (22h 25% 23°C) AFTER COMPRESSION RELEASE	24hr	ISO 1856	%	< 9
WATER ABSORPTION		JIS K 6767 METHOD B	g/cm ²	0.0001
FOAM LAMINATED WITH REFLECTIVE FOIL				
TEAR STRENGTH	Longitudinal Transversal	DIN 53507	N/mm N/mm	0.9 0.9
OPERATING TEMPERATURE RANGE		-	°C	-40 to 95
DIMENSIONAL STABILITY		DIN 53431	°C	95
EMISSIVITY OF FOIL FACE		ASTM C 1371	-	≤ 0.05
THERMAL CONDUCTIVITY	0°C 23°C 40°C	JIS A 1412-2	W/mK	0.035 0.036 0.038
NOISE REDUCTION COEFFICIENT		ASTM C 423	-	0.3
OZONE DEPLETING SUBSTANCES (NAMELY CFCs, HCFCs, HBFCs)		US EPA 5021A (MDL 1PPM)	-	NOT DETECTED
GREEN STAR SPECIFICATION - TOTAL VOC EMISSION RATE		ASTM D 5116	-	LOW VOC EMITTING (< 0.5 mg/m ² /hr)
VOLATILE ORGANIC COMPOUNDS (VOCs)		US EPA 5021A (MDL 1PPM)	-	NOT DETECTED
RESISTANCE TO FUNGI		ASTM G 21	-	ZERO GROWTH
FIRE BEHAVIOUR				
FIRE RATING		BS 476 PART 6 & 7	-	CLASS 0
BURNING TEST		UL 94	-	HF-1
BURNING TEST - FLAME SPREAD AND SMOKE DEVELOPED INDEX		ASTM E 84	-	CLASS A
IGNITABILITY INDEX		AS/NZS 1530.3	-	0
SPREAD OF FLAME INDEX				0
HEAT EVOLVED INDEX				0
SMOKE DEVELOPED INDEX				1
MAXIMUM SPECIFIC OPTICAL SMOKE DENSITY		ISO 5659-2	-	Ds (MAX) < 50
GLUE PERFORMANCE for AirPro-Plus				
ADHESIVE STRENGTH (PET FILM)	90° PEELING TEST 180° PEELING TEST	JIS Z 0237	N/10mm	> 5 > 10

The data and information represented above are intended as general guide only and are not construed as specification limits.

All the above information is given in good faith and in accordance with our knowledge and experience. Any written and illustrated application instructions are without legal obligation and do not relieve you from testing and confirming the goods with regard to their suitability for the intended application, use or conversion. The high quality of our products is guaranteed according to our general sales condition.