

FICHA TÉCNICA

GRAFITO

Foil grade			APX	C	E	D	Z
Standard bulk density		g/cm²		0.7 - 1.3			
Ash content (DIN 51903)		%	≤ 2.0	≤ 2.0	≤ 1.0	≤ 4.0	≤0.15
Total chloride content		ppm	≤ 25	≤ 25	≤ 10	≤ 50	≤ 10
Foil thickness* (supplied on rolls)		mm	0.35 – 1.0 0.15 – 1.				
Foil thickness (supplied as sheets, 100 under the label SIGRAFLEX BASIS	00 mm × 1000 mm)	mm		1.0/1.5 2.0/3.0			1.0/1.5 2.0
Roll width*		mm	500/1000				
Tape width*		mm	≥ 4				
Roll length*		m	50				
Typical material data of SIGRAFLE)	(* FOIL grade Z with	h bulk dens	ity of 1.0	g/cm²			
Thermal conductivity at 20 °C in plane through plane		W/K·m W/K·m	180 – 200 4 – 6				
Resistivity at 20 °C	in plane through plane	Ωμm	6 – 8 650 – 700				
Coefficient of thermal expansion (2	20 − 1000 °C) in plane through plane	10-6/K 10-6/K	арргох. 1 арргох. 50				
Permeability coefficient for air through plane		cm²/s	< 2 · 10-4				
Shore hardness (D)			30				
ensile strength longation at break		N/mm² %	≥ 4 ≥ 1				
Max. permissible compressive stress Specimen: 20 mm x 20 mm x thickness 0.35 mm 0.50 mm 1.00 mm		N/mm²	220 200 140				
Residual stress (DIN 52913)	O *0 16 1, 200°C, 30 N/mm²	N/mm²	≥ 48				
Coefficient of friction against steel, roughness ≤ 10 µm			0.1				
The gasket factor conversion formulas as per AD Merkblatt B7 are as follows			$k_o \cdot K_o = \sigma_{Vi} \cdot b_o$ $k_t = m \cdot b_o$				



