

Technical datasheet of Nomafoam sheets and pipes (internal document)

Product						
	nature	PE		n° int. :	cat	540-3
	density	30,0	kg/m3			last issue : 16/01/06
	#cell	250	cell/cm ²	Shape :	profile	prod. date: 16/01/06
physical properties						
	standards	details	measurements	units		units
			//		⊥	
Tensile						
	iso 1798; 500mm/min	elongation	94,2	%	0,0	%
		F max	0,288	N/mm ²	0,000	N/mm ²
compression						
		10%	0,051	N/mm ²	51	kPa
	iso 3386; 100mm/min	25%	0,067	N/mm ²	67	kPa
		50%	0,123	N/mm ²	123	kPa
		75%	0,311	N/mm ²	311	kPa
compression standard avec cycles						
		10%	0,000	N/mm ²	0	kPa
	iso 3386; 100mm/min	25%	0,030	N/mm ²	30	kPa
		50%	0,100	N/mm ²	100	kPa
		75%	0,322	N/mm ²	322	kPa
compression set						
			iso 1856; 50%; 72h; 23°C		iso 1856; 25%; 22h; 23°C	
		0'	50,0	%	25,0	
		30'	25,0	%	7,0	
	ISO 1856	1h	24,2	%	6,2	
		24h	19,6	%	2,7	
		3 Days	18,4	%	2,2	
		10 Days	18,1	%	-	
		20 Days	17,8	%	-	
Shrinkage						
			//		⊥	
		70°C	-	%	-	%
for profile :		80°C	-0,9	%	-	%
after stabilisation		90°C	-3,9	%	-	%
5 days at 50°C	iso 2440; 16h at	95°C	-4,3	%	-	%
	:	100°C	-5,6	%	-	%
		110°C	-	%	-	%
		120°C	-	%	-	%
		180°C	-	%	-	%
		200°C	-	%	-	%
Shock Absorption (G's)						
	Falling Height (mm) :	Static Load : PSI	1	1,5	2	
for profile :	Sample	1 Shock	0	0	0	m/s ²
after resizing	Thickness (mm)	Shocks 2-5	0	0	0	m/s ²
fire behaviour						
	FMVSS	FMVSS302	0	limit		
	B1 standard	B1	n.a. or on request	i. or on requ depending on request (100mm/min)		
	B2 standard	EN ISO 11925-2	n.a. or on request	150 mm		
	MI standard	NF P 92 501	n.a.	depending on request (M1, M2, M3, M4, non classé)		
insulation						
	lambda 0,040 at 40°C on request					

This information is based on our actual knowledge. However, it does not constitute a guarantee of our product's characteristics and does not engage in any case our liability.