

Technical Data Sheet

EKATHERM-FL Soft Boxes

Properties	Status	Norm	Unit	Max	Average
General					
Apparent density	**	ISO-845	kg/m ³		29,5
Tensile Strength @ 23°C					
lengthwise at break	F	ISO-1926	kPa		259
crosswise at break	F				171
Tensile Elongation @ 23°C					
lengthwise	F	ISO-1926	%		126
crosswise	F				83
Compression Stress/Strain, S					
deflection 25%	F	ISO-3386-1	kPa		39
deflection 40%	F				72
deflection 50%	F				106
Compression Set					
deflection 25%, 1/2h after discharge	F	ISO-1856-C	%		19
deflection 25%, 24h after discharge	F				11,4
Thermal Stability					
Max. Temperature	F	Internal	°C	100	
Dimensional change, lengthwise and crosswise	F		%	-5	
Shore Hardness					
Shore A	F	ISO 868-1985			6
Shore 0	F	ASTM D2240			12
Shore 00	F				44
Water Absorption					
vol % water absorption		ISO 2896	%	1.0	
Thermal Conductivity					
at 10°C	P	ISO 8301	W/mK		0.034
at 40°C	P			0.04	
Water Vapour Transmission					
water vapour diffusion resistance index	F	ISO 1663	μ	4500	4500

** : to be considered as specification

P : to be considered as provisional property

F : to be considered as final property

Tip: The information provided here is consistent with the state of our knowledge at that time. If required request an up-to-date version of these publication. No representation of warranty is made for specific product properties or concrete applications. Industrial property rights must be observed.

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