

Technical Data Sheet

Physical Properties acc. ISO 7214 -2007

- Material:** Physically cross-linked closed cell polyolefine foam.
- Application:** Alveosport is a patented sport technical layer which is specifically designed for artificial turf systems.
- Features:**
- Optimized shock absorption, energy restitution and ball rebounding
 - Extended durability and constant performance; no freezing as Alveosport does not absorb water
 - Excellent environmental profile
 - Recyclable
 - Fast and easy installation at most weather conditions
 - Dimensional stable even at fluctuating temperatures due to patented design pattern

Properties	Norm	Unit	Average	Min	Max
General properties					
Thickness	ISO 1923	mm	12,0	11,0	13,0
Area weight	Internal	kg/m ²	0,50	0,42	0,58
Shock absorption					
	EN 14808	%	43	38	48
	Fifa method 04a	%	38	33	43
Vertical deformation					
	EN 14809	mm	8		
	Fifa method 05a	mm	8		
Tensile strength @ 23° C					
Lengthwise and crosswise at break ¹	ISO 1926	Mpa		0,3	
Compression set static load					
Deflection 25 % / 24 h, 23 °C 24 h after discharge	ISO 1856 C	%			6
Compression creep					
Compression 10 kPa / 260 h, 23 °C 24 h after discharge	EN 1606	%			2
Thermal conductivity					
at 20°C	EN 12667	W/mK			0,046
Water Absorption					
vol % water absorption ¹	ISO 2896	%			1
Water permeability					
Vertical water permeability	EN 12616	mm/hr	10000	Certificates of comparable product available.	
Horizontal water permeability	EN 12616	mm/hr	2000	Certificates of comparable product available.	
Thermal stability					
Alveosport is provided with "grinds" and is therefor able to absorb contraction and shrinkage which normally is caused by temperature differences in the environment.					
Toxicological / Ecological information					
Alveosport complies with:					
Determination of environmental compatibility	DIN 18035-7:	2002-06			
Requirements Federazione Italiana Giuoco Calcio	Tabella 1/A	Limiti Di concentrazione amnesi Lega Nazionale Dilettanti Certificates of comparable product available.			
Dutch Soil Quality Decree		Analyses of product is executed at SGS Intron			
Requirements shockpads used for synthetic turf	NF P90-112	2008-02			
EU Directive Packaging and packaging waste	94/62/EC	Certificates of comparable products available.			
Safety of Toys	EN 71-3	Certificates of comparable products available.			
Microbiological information					
Alveosport is no nutritive medium for growth of fungi and mildew and is therefor resistant against attack of fungi and mildew.					

¹ = Not grinded material

for more info please visit :

www.Alveosport.com

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