

Properties	Values	Remarks
Material	Foamed nitrile rubber	
Max. Surface Temperature	+105°C	
Max. Temperature for Flat Surface	+85°C	
Min. Surface Temperature	-200°C*	* For temperatures between -50° C and -200° C, please consult our Technical Department.
Thermal Conductivity at 0°C	0.034 W/(m · K)	
Thermal Conductivity at +20°C	0.036 W/(m · K)	Test acc. to EN ISO 8497
Thermal Conductivity at +40°C	0.038 W/(m · K)	
Water Vapour Permeability	Moisture Resistance Factor μ : 7,000	
	$2.79 \cdot 10(-14)$ kg/(m s Pa)	BS EN ISO 9346:1996
Water Absorption	0.2% by volume	Test acc. ASTM C 209
Surface Spread of Flames	Class 1	Surface Spread of Flame acc. BS 476 Part 7: 1997
Fire Propagation	Total Index Performance (I) \leq 12 Sub Index (i1) \leq 6	Fire Propagation acc. BS 476 Part 6: 1989
Fire Performance acc. to Building Regulation	Class O	Test results for Surface Spread of Flames and Fire Propagation meets Class O fire category for Building Regulations 2000 (England and Wales) Building Standards (Scotland) Regulations 1990 Building Regulations 2000 (Northern Ireland) Building Regulations 1997 (Republic of Ireland)
Reaction to fire	Self-extinguishing, does not drip	
Noise Reduction	Sound Absorption Coefficient ISO 354:2003 up to 0.8	Also suitable for use in the prevention of sound passage
Resistance to	Building Materials: Very Good Chemicals: Consult Product Test List Ozone: Very Good	
Environmental Aspects	ODP zero, GWP zero	
Health Aspects	Dust & Fibre Free Microban anti-microbial protection	
Other Properties	FM Approved Tested in accordance with UL 94	
Outdoor Applications	Class O Armaflex should be painted with Armafinish FR paint to the recommended thickness within 3 days. Two or more coats may be required.	