

## Soft PVC - Highly cold-resistant

General properties	Test method	Unit	Guideline value
Density	ISO 1183-1 A	g / cm <sup>3</sup>	1,17 + 0,03
Water absorption	DIN EN 53472	%	0,1 - 1
Fire behaviour	DIN 4102	---	B2
Light transmission		%	≥ 80
REACH conformity	We hereby confirm that no substances on the candidate list according to Article 59 REACH Regulation (EC) No 1907/2006 are included.		
PAH-free	The formulation of the raw material is free of polycyclic aromatic hydrocarbons.		
Silicone-free	Silicone is neither part of the granulate formula nor of the manufacturing process.		
RoHs	2002/95/EG (ROHS) / 2011/65/EU (ROHS II) 2015/863/EU (ROHS III)	Raw materials for production meet the requirements	
Persistent organic pollutants	2019/1021 (POP)	We hereby confirm the conformity of the raw materials used.	
Heavy metals	We hereby confirm and warrant that the raw materials we use do not contain any of the heavy metals listed here: Pb lead (plumbum), Cd cadmium, Cr chromium VI, Hg mercury (hydragyrum), Zn zinc		
<b>Mechanical properties</b>			
Elongation at break	DIN EN ISO 527	%	≥ 420
Breaking stress	DIN EN ISO 527	MPa	≥ 10
Shore A hardness (press-on time 15s)	ISO 868		59+3
<b>Thermal properties</b>			
Cold break temperature	DIN EN 1876-2	° C	ca. - 40
Service temperature min.	Intern 35.008 / 35.010	° C	ca. - 25
Service temperature max.	Intern 35.008 / 35.010	° C	ca. 40
Thermal resistance	DIN EN 12667	[(m <sup>2</sup> *K) / W]	R = 0,18
Thermal conductivity	DIN EN 12667	W/(m*K)	λ <sub>10</sub> = 0,142
<b>Electrical properties</b>			
Surface resistance	IEC 61340	Ω	10 <sup>11</sup>