

Class O PVC Nitrile Technical Data Sheet

Property	Value	Notes
Maximum Service Temperature Sheets (EN14706) Tubes (EN14707)	+85°C +110°C	
Minimum Service Temperature	-165°C	For industrial applications, product can be applied down to -198°C
Water vapour diffusion resistance (EN12086) Tubes/Sheets thickness ≤ 25mm Tubes/Sheets thickness > 25mm	$\mu \geq 10,000$ $\mu \geq 7,000$	
Water Absorption (EN13472)	<0.1%	
Leachable chlorides (EN13468)	<500 ppm	When tested in line with DIN 1988/7, leachable chlorides <0.05%
Ph (EN13468)	Neutral (7)	
Reaction to Fire (EN13501)	B – s3, d0 BL -s2, d0	Sheets Tubes
Dimensional Tolerances	As per EN14304	
Ecological Data	Without CFCs & HCFCs	

	Medium Temperature [°C]	-30	-20	-10	0	10	20	30	40	50	70
Tubes Thickness ≤ 25mm (EN ISO 8497)	Thermal conductivity [W/(m °K)]	0.030	0.031	0.032	0.033	0.034	0.035	0.036	0.037	0.0385	0.042
Tubes Thickness > 25mm (EN ISO 8497)	Thermal conductivity [W/(m °K)]	0.033	0.034	0.035	0.036	0.037	0.038	0.039	0.040	0.041	0.043
Sheets thickness ≤ 25mm (EN 12667)	Thermal conductivity [W/(m °K)]	0.030	0.031	0.032	0.033	0.034	0.035	0.036	0.037	0.0385	0.042
Sheets thickness > 25mm (EN 12667)	Thermal conductivity [W/(m °K)]	0.033	0.034	0.035	0.036	0.037	0.038	0.039	0.040	0.041	0.043