

CHARACTERISTICS

	PVC standard	PVC Cold resistant	TPE-E	H	TPR	TPU glossy	TPU	TPU Non-adhesion
VDE	TM 1-2	TM 4	12 Y	HM 2	31Y	11YM 1	11YM 1	11YM 1
Temperature in °C. flexing	- 5 + 70	-30 +70	-30 + 90	-25 + 80	-40 +125	-40 + 90	-40 + 90	-40 + 90
Maximum Temperature in - °C. static	-30	-40	-50	-40	-40	-50	-50	- 50
Fusion point Temperature in + °C	+ 180	+ 180	+220	+220	+210	+200	+200	+ 200
Flammability	Self-extinguishing	Self-extinguishing	flammable	Self-extinguishing	flammable	flammable	flammable	Self-extinguishing
Tensile strength N/mm ²	12,5 - 20	10 - 20	25 – 40	10 - 20		15 - 35	15 - 35	25 – 35
LOI value	23	22	23	28	19			
Solvent resistance *	poor	poor	good			good	good	good
Insulation resistance in Ohm x cm >1 ^E	+ 13	+ 13	+ 14			+ 12	+ 12	+ 12
Oil resistance *	moderate	moderate	good			good	good	good
Free of halogen	No	No	Yes	Yes	Yes	Yes	Yes	No

PVC = Polyvinylchloride
 TPE-E = Thermoplastisch elastomer
 H = Halogen free material
 TPR = Thermoplastisch rubber
 TPU = Polyurethan

*these values are general guidelines. The exact values depend on application and/or design.