

PVDF-EL

Material specifications	PVDF-EL
Extruded to moulding compound standard	
Pressed to moulding compound standard	
Moulding compound extruded	
Moulding compound pressed	
Density, g/cm ³ ISO 1183	1,780
Yield stress, MPa DIN EN ISO 527	45
Elongation at yield, % DIN EN ISO 527	5
Elongation at break, % DIN EN ISO 527	10
Tensile modulus of elasticity, MPa DIN EN ISO 527	1800
Impact strength, kJ/m ² DIN EN ISO 179	without break
Notched impact strength, kJ/m ² DIN EN ISO 179	6
Ball indentation hardness, MPa DIN EN ISO 2039-1	110
Shore hardness (D) ISO 868	78
Mean coefficient of linear thermal expansion, K E-1 DIN 53752	1,3 × 10-4
Thermal conductivity, W/m * K DIN 52612	0,14
Fire behaviour DIN 4102	low flammability
Dielectric strength, kV/mm DIN IEC 60243-1	
Surface resistivity, Ohm DIN IEC 60093	≤ 106
Temperature range, °C	
Physiological safety in accordance with BfR	no

All specifications are deemed to be approximate values and may vary depending on the processing methods used and the specimen or test piece. In general, data specified applies to average values measured on extruded sheets with a thickness of 4mm. Deviations from the values specified are possible if the sheets in this thickness are not available. Information presented herein cannot necessarily be applied to finished items or products. Suitability of materials for a specific

field of application must be assessed by the party responsible for processing or the end-user.

All technical specifications presented herein are designed merely to provide assistance in terms of project planning. Under no circumstances do they constitute a guaranteed property or quality of the items presented.

For further information, please contact our Applications Technology Department: ata@simona.de.