



Material Datasheet

PVDF

PDS nr.: PDS-IM-011, edition: 14/08/2018
Color: Whitish or translucent solid
QC responsible: Ruben Denteneer

Density	ISO 1183 (23°C)	1,78	gr/cm ³
Tensile Strength @ break	ASTM D 638 (23°C)	35-50	N/mm ²
Tensile Strength @ yield	ASTM D 638 (23°C)	53-57	N/mm ²
Elongation @ break	ASTM D 638 (23°C)	20-50	%
Elongation @ yield	ASTM D 638 (23°C)	5-10	%
Shore D hardness		D77	
Linear thermal expansion coefficient - ASTM D696		120-140	10 ⁻⁶ K ⁻¹
Thermal conductance at 23°C - ASTM C 177		0,2	W/m.K
Specific heat 23°C & 100°C		1,2-1,6	J/g.K
Friction coefficient ASTM D 1894		0,2-0,4	Static
Friction coefficient ASTM D 1894		0,2-0,3	Dynamic
Water absorption	ISO 62 (50%RH, 23°C)	<0,04	%