PVDF - Polyvinylidene fluoride







PVDF is a high-performance polymer compared to standard resins.

It offers exceptional chemical and weather resistance, along with robust mechanical strength.

 $\ensuremath{\mathsf{PVDF}}$ also excels in UV stability and long-term durability.

Continuous Use Temperature Flame Retardant Grade

150℃/302°F UL94 V-0

Torsional fracture torque unit: Nm

Head Type	M2	М3	M4	М5	M6	М8	M10	M12
N	Person	Contraction of the last	SECTION AND PROPERTY.	-	T.			-
Hexagon Head	of the same of the	0.15	0.3	0.65	0.9	2.32	5	10
Socket Hex Head		0.15	0.25	0.55	0.98	2.18	-	-
Slotted Countersunk Head		0.15	0.25	0.6	1.03	1.55	2.5	-
Cross Countersunk Head	I M	0.15	0.3	0.55	1	2.4	4.25	-

Tensile Fracture Load: N

Hexagon Head 213 672 919 1529 2867 3938	Head Type	M2	МЗ	M4	M5	M6	M8	M10	M12
	Hexagon Head	5	444	213	672	919	1529	2867	3938
	87 V				d distribute	diam.		Ph.	A STATE OF LAND
					1 July 1	4. /		#471h	



The flash (end stump) of the bolt length (L) is less than or equal to 5%

If bolts are used with nuts, we recommend using bolts and nuts of the same material.



Table contains reference values. These are not guaranteed

Please use a torque wrench for tightening. The recommended tightening torque is 50% of the breaking torque.









Polyvinylidene Fluoride (PVDF) Properties

Property	Nominal Value	Unit	Test Method		
Density	1780	kg/m³	ISO 1183		
Water Absorption	0.03	%	ISO 62		
Tensile Modulus	2300	MPa	ISO 527-1/-2		
Yield Stress	54	MPa	ISO 527-1/-2		
Yield Strain	9	%	ISO 527-1/-2		
Nominal Strain at Break	>50	%	ISO 527-1/-2		
Charpy Impact Strength (+23°C)	192	kJ/m²	ISO 179/1eU		
Charpy Impact Strength (-30°C)	208	kJ/m²	ISO 179/1eU		
Melting Temperature	168	°C	ISO 11357-1/-3		
Glass Transition Temperature	-40	°C	ISO 11357-1/-2		
Deflection Temperature (1.80 MPa)	110	°C	ISO 75-1/-2		
Deflection Temperature (0.45 MPa)	130	°C	ISO 75-1/-2		
Vicat Softening Temperature	140	°C	ISO 306		
Coefficient of Linear Thermal Expansion	150	E-6/K	ISO 11359-1/-2		
Flame Retardant Rating (1.5mm thickness)	V-0	W	IEC 60695-11-10		
Oxygen Index	43	%	ISO 4589-1/-2		



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