PVC - Polyvinyl chloride

Excellent acid/alkali and general solvent resistance.
Hard surface and high mechanical strength.
Good insulation performance. However, PVC has poor thermal stability.
During combustion, note harmful toxic substances can be produced.

Continuous Use Temperature	58.5℃/137.3℉
Flame Retardant Grade	UL94 V-0

Torsional fracture torque unit: Nm

Head Type	M2	M3	M4	M5	M6	M8	M10	M12
Hexagon Head		0.15	0.25	0.65	1.23	2.25	6.08	11
Socket Hex Head		0.1	0.15	0.55	1.02	2.43	3.48	-
Slotted Countersunk Head		-	0.27	0.72	1.07	1.65	-	3.47
Cross Countersunk Head		0.15	0.25	0.53	1	2.38	-	-

Tensile Fracture Load : N

Head Type	M2	M3	M4	M5	M6	M8	M10	M12
Hexagon Head			390	644	955	1674	2802	3099

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.

Caterpillar Red
+ 44 1273 01273
info@caterpillar-red.com

Polyvinyl Chloride (PVC) Properties

Property	Nominal Value	Unit	Test Method
Density	1.35 - 1.46	g/cm³	
Notched Impact Strength	>13	kJ/m²	
Tensile Strength	>42	MPa	
Vicat Softening Temperature	>78	°C	
Specific Gravity	1.36	g/cm³	DIN 53479
Water Absorption	0.2	%	DIN 53495
Max Permissible Service Temperature	60	°C	DIN 8061
Tensile Stress at Yield	55	MPa	DIN 53455
Elongation at Break	33	%	DIN 53455
Ball Indentation Hardness	120	MPa	DIN 53456
Vicat Softening Temp VST/B/50	75	°C	DIN 53460
Thermal Conductivity	0.14	W/(m*K)	DIN 52612
Volume Resistivity	>1E15	Ohm*cm	DIN 53482

Caterpillar Red

+ 44 1273 01273
info@caterpillar-red.com