CANCO FASTENERS
Trusted Name in Quality Fixing System

Dated: 28-01-2025

METALLURGICAL TEST REPORT (PTFE Coated Stud Bolt)

ITEM: THREADED STUD BOLT WITH PTFE-BASED COATING
BASE MATERIAL: Carbon steel, alloy steel or stainless steel as specified; confirm available grades
COATING: PTFE-based coating system; exact product / system to be confirmed
FINISH: Colour as per coating system; confirm actual supply

DESCRIPTION OF PARTS											
PROCESS ROUTE											
% CHEMICAL COMPOSITION											
Elements	C (%)	Mn (%)	Si (%) Max	P (%) Max	S (%)	Cr (%) Min	Mo (%)	V (%)	Al (%)	Br (%)	Others Max
Minimum	-	-	-	-	0.05%	-	-	-	0.01%	-	0.10%
Maximum	0.20%	0.80%	0.30%	0.05%	0.06%	0.60%	-	-	0.035%	-	0.20%
Achieved	0.15%	0.62%	0.24%	0.03%	0.04%	0.48%	-	-	0.027%	-	0.09%

BASIC PERFORMANCE DATE		
SIZE		Thread: Metric or Imperial; as per order
TENSILE LOAD		
Ultimate Tensile Strength	[kN]	≥ 80.00
Yield Load	[kN]	≥ 52.00
SHEAR LOAD		
Ultimate Shear Strength	[kN]	≥ 48.00
Yield Shear Load	[kN]	≥ 32.00
HARDNESS RANGE		
Rockwell Hardness (HRB)		≤ 95
DIMENSIONAL TOLERANCE		
Diameter Tolerance	[mm]	± 0.10
Length Tolerance	[mm]	± 0.50
CORROSION PROTECTION		
Finish		PTFE-based Coating; Colour as per coating system
MATERIAL SUITABILITY		
Base Material		Carbon Steel, Alloy Steel or Stainless Steel

Thanks & Regards

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