



Q-PANEL

Formerly: Q-Panel Lab Products

Certificate of Compliance for Steel Corrosion Coupons

Q-Lab Corporation certifies that Q-Panel Brand Test Substrates, type Steel Corrosion Coupons, designation "CXB-12", "CXC-35" and "CXD-2.76-5.90" comply with the following specifications:

Panel Type	Type CXB-12	Type CXC-35	Type CXD-2.76-5.90
Thickness	0.125 ± 0.003 in (3.18 ± 0.07mm)	0.032 ± 0.002 in (0.81 ± 0.05 mm)	0.040 ± 0.008 in (1.0 ± 0.2 mm)
Finish	Dull Matte	Dull Matte	Dull Matte
Roughness, Ra (micro-inches)	25 - 65	25 - 65	20 - 44
Roughness, Ra (micro-meters)	0.63 - 1.65	0.63 - 1.65	0.5 - 1.1
ASTM Material Specs.	A1008 CS Type B	A1008 CS Type B D609 - Type 1	A1008 DS Type B
SAE Material Specs.	1008 - 1010 per J2329 CR1E	1008 (UNS G10080)	1006
ISO Material Specs.	-	1514 - Type 1 3574 - Type CR1	1514 - Type 2 3574 - Type CR4
Applicable to these Test Specs.	GMW 14872, GMW 9540P, SAE J2334	ASTM B-117	ISO 9227, ISO 14993, ISO 7253, ISO 11997, ISO 16151, VDA-233-102
Temper	-	1/4 hard	-
Hardness (Rockwell B)	50 - 70	50 - 70	-
Tensile (kpsi)	55 ± 10	55 ± 10	51 max
Tensile (MPa)	380 ± 70	380 ± 70	350 max

Chemical Composition (Type CXB - SAE 1008/1010 per SAE J2329 CR1E)

Element:	Manganese	Carbon	Phosphorus	Sulfur
Percentage:	0.60 max	0.13 max	0.030 max	0.035 max

Chemical Composition (Type CXC - SAE 1008 (UNS G10080))

Element:	Manganese	Carbon	Phosphorus	Sulfur
Percentage:	0.30 - 0.50	0.10 max	0.030 max	0.035 max

Chemical Composition (Type CXD - ISO 3574 CR4)

Element:	Manganese	Carbon	Phosphorus	Sulfur
Percentage:	0.45 max	0.06 max	0.030 max	0.030 max

Certified By:

Robert Little

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