



RANCO INDUSTRIES, INC

SPEC SHEET

Product Data Sheet

Product Name: Corrugated Switchboard
 Description: ASTM D-178 – Class I
 Surface Configuration: Top – Corrugated
 Bottom – Knurled W/ certification imprinted
 Thickness: 3/16” Minimum
 Chemical Resistance: Excellent chemical resistance to many commercial and Industrial chemicals. Please call for specific recommendations.

Physical Properties

Characteristics	Performance	Test Method
Tensile Strength	700 psi	ASTM-D-412
Elongation	250%	ASTM-D-412
Moisture Absorption	.08%	ASTM-D-570
Flammability	Pass	ASTM-D-1692
Ozone Resistance	Pass	ASTM-D-1149, Method A
Accelerated Aging	90% of Original	ASTM-D-573
Oil Resistance	.5% Volume Increase	ASTM-D-471

Electrical Properties

Dielectric Test Voltage	20,000 VAC	ASTM-D-178
Proof Test Over Entire Surface at	10,000 VAC	ASTM-D-178
Recommended Max Use Voltage	7,500 VAC	ASTM-D-178



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SPEC SHEET

Product Data Sheet

Product Name: Corrugated Switchboard
 Description: ASTM D-178 – Class 2
 Surface Configuration: Top – Corrugated
 Bottom – Knurled W/ certification imprinted
 Thickness: 1/4” Minimum
 Chemical Resistance: Excellent chemical resistance to many commercial and Industrial chemicals. Please call for specific recommendations.

Physical Properties

Characteristics	Performance	Test Method
Tensile Strength	700 psi	ASTM-D-412
Elongation	250%	ASTM-D-412
Moisture Absorption	.08%	ASTM-D-570
Flammability	Pass	ASTM-D-1692
Ozone Resistance	Pass	ASTM-D-1149, Method A
Accelerated Aging	90% of Original	ASTM-D-573
Oil Resistance	.5% Volume Increase	ASTM-D-471

Electrical Properties

Dielectric Test Voltage	30,000 VAC	ASTM-D-178
Proof Test Over Entire Surface at	20,000 VAC	ASTM-D-178
Recommended Max Use Voltage	17,000 VAC	ASTM-D-178



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Product Data Sheet

Product Name: Corrugated Switchboard
 Description: ASTM D-178 – Class 3
 Surface Configuration: Top – Corrugated
 Bottom – Knurled W/ certification imprinted
 Thickness: 3/8” Minimum
 Chemical Resistance: Excellent chemical resistance to many commercial and Industrial chemicals. Please call for specific recommendations.

Physical Properties

Characteristics	Performance	Test Method
Tensile Strength	700 psi	ASTM-D-412
Elongation	250%	ASTM-D-412
Moisture Absorption	.08%	ASTM-D-570
Flammability	Pass	ASTM-D-1692
Ozone Resistance	Pass	ASTM-D-1149, Method A
Accelerated Aging	90% of Original	ASTM-D-573
Oil Resistance	.5% Volume Increase	ASTM-D-471

Electrical Properties

Dielectric Test Voltage	40,000 VAC	ASTM-D-178
Proof Test Over Entire Surface at	30,000 VAC	ASTM-D-178
Recommended Max Use Voltage	26,500 VAC	ASTM-D-178



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SPEC SHEET

Product Data Sheet

Product Name: Corrugated Switchboard
 Description: ASTM D-178 – Class 4
 Surface Configuration: Top – Corrugated
 Bottom – Knurled W/ certification imprinted
 Thickness: 1/2" Minimum
 Chemical Resistance: Excellent chemical resistance to many commercial and Industrial chemicals. Please call for specific recommendations.

Physical Properties

Characteristics	Performance	Test Method
Tensile Strength	700 psi	ASTM-D-412
Elongation	250%	ASTM-D-412
Moisture Absorption	.08%	ASTM-D-570
Flammability	Pass	ASTM-D-1692
Ozone Resistance	Pass	ASTM-D-1149, Method A
Accelerated Aging	90% of Original	ASTM-D-573
Oil Resistance	.5% Volume Increase	ASTM-D-471

Electrical Properties

Dielectric Test Voltage	50,000 VAC	ASTM-D-178
Proof Test Over Entire Surface at	40,000 VAC	ASTM-D-178
Recommended Max Use Voltage	36,000 VAC	ASTM-D-178