

ARCOR S-POLYMER OVERVIEW

TEST RESULTS

TEST	S-16	S-20	S-30	ULTRA-S
Tensile D638 Strength	6,000	6,000	5,700	7,000
Flexural D790 Strength	7,000	8,900	6,800	13,200
Compressive Strength	12,500	14,700	12,500	16,500
Tensile Shear Adhesion	2,300	2,200	2,200	2,100
Adhesion Elcometer Pull-off	1,500+ psi	2,000 psi	1,500 psi	1,500 psi
Thermal Conductivity K cal/M hr C	.52	.64	.60	.59
Flame Test	Pass (does not support flames)	Pass (does not support flames)	Pass (does not support flames)	Pass (does not support flames)
Bend Test 1/8" Mandrel	Pass	Pass	Pass	Pass
Moisture Vapor Permeability q-mil/100 in ² /24 hr, 38 degrees L	.03	.03	.04	Not tested

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TEST RESULTS

CONTINUED

TEST	S-16	S-20	S-30	ULTRA-S
Salt Fog Spray 1,000 hrs	No Blisters excellent	No Blisters excellent	No Blisters excellent	Not tested
Chemical Immersion	////////////////////////////////////			
Salt Water	>30 mo. exc.	>30 mo. exc.	>30 mo. exc.	>30 mo. exc.
10% H OSO 2 4	>30 mo. exc.	>30 mo. exc.	>30 mo. exc.	>30 mo. exc.
10% HCL	>30 mo. exc.	>30 mo. exc.	>30 mo. exc.	>30 mo. exc.
10% NH OH 4	>30 mo. exc.	>30 mo. exc.	>30 mo. exc.	>30 mo. exc.
50% NaOH	>30 mo. exc.	>30 mo. exc.	>30 mo. exc.	>30 mo. exc.
Diesel Fuel	>30 mo. exc.	>30 mo. exc.	>30 mo. exc.	>30 mo. exc.
Skydrol 500 B	>30 mo. exc.	>30 mo. exc.	>30 mo. exc.	>30 mo. exc.