



A-26

AST Seal Material

A-26 is a cast urethane material designed to seal roof penetrations on External Floating Roof Tanks (EFRT) and Internal Floating Roof Tanks (IFRT). A-26 features high resistance to abrasion, 100% liquid and vapor aromatics, neat MTBE, U/V and ozone. A-26 offers excellent hydrolytic stability, tensile strength and chemical compatibility to provide maximum service life.

Description	Test	Properties
Weight	Internal	9.74 lb/cu ft
Gauges (inches)	Internal	.125, .1875, .250
Standard Sheet Size	Internal	48 in x 50 in
Tensile Strength	ASTM D-412-68	7,500 lb/sq in
Elongation % at Break	ASTM D-412-68	500
Durometer (Shore A)	ASTM D-2240-68	90
Compression Set %	ASTM D-395 Method B	5
Ozone (50 PPHM at 104 °F for 72 hrs)		No cracking
Hydrolytic Stability (95% rel. humidity at 160 °F for 72 hrs)		7,000
Low Temperature (5 hrs at -40 °F) ASTM D-2136		No cracking

Elastomer Immersion	(70 °F to 110 °F)	Volume Swell
Toluene (neat)	13,392 hrs	6,000 / 25%
Gasoline	13,392 hrs	6,000 / 25%
80% Gasoline, 20% MTBE	1,092 hrs	7,120 / 5%
Gasoline (premium)	6,500 hrs	6,375 / 14%

Saturated Vapor	(70 °F to 110 °F)	
Ethanol (neat)	6,500 hrs	2,250 / 30%
50% Gasoline, 50% Ethanol	6,500 hrs	5,625 / 50%
MTBE (neat)	13,400 hrs	6,750 / 20%

Values represent nominal average value properties. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.



MR-A26-10

Northeast

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A-26 Red

Polyurethane Sheet

A-26 Red is a polyester base, cast urethane elastomer formulated and designed for applications requiring exceptional resistance to abrasion, impact, cutting and tearing. A unique continuous casting process provides long length capability and ensures a consistently uniform thickness. Applications include column seals, vertical ladder wells, gauge pole wells and other roof penetrations.

A-26 Red features outstanding tensile strength and abrasion resistance. It withstands impact without permanent deformation or rupture and has exceptional tear resistance when subjected to sharp, heavy or abrasive metals. A-26 Red has excellent oil-solvent resistance and will not crack when subjected to high concentrations of ozone. Operating temperatures for A-26 Red range from 185 deg. F to -60 deg. F. A-26 Red also reduces operational downtime by offering a long service life.

Properties

Gauges (inches)		.0625, .125, .1875, .250
Standard Sheet Sizes		36 in x 50 ft; 48 in x 50 ft
Durometer (Shore A)	D-676-49T	85
Specific Gravity	D-792	1.24
Tensile Strength (PSI)	D-412-61T	7500
300% Tensile Modulus (PSI)	D-412-61T	1700
100% Tensile Modulus (PSI)	D-412-61T	625
Ultimate Elongation %	D-412-61T	600
Tear Strength (PLI)	D-624 (Die C)	450
Taber Abrasion (MG Weight Loss)	D-3389	0.027



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