



## TECHNICAL DATA SHEET

### *RAM Series 2000 FD Jacket*

#### DESCRIPTION

RAM 2000 FD Jacket envelops the inner petrolatum membrane to form a mechanical protection barrier suitable for use in applications from sheltered harbours to harsh marine environments. It forms a vital part of the RAM 2000 FD SYSTEM ensuring even constant pressure is applied to the length of the jacket overlap.

The RAM 2000 FD Jacket ensures a high quality outer shield that does not require additional strapping or re-tensioning to keep it in position.

#### COMPOSITION

UV stable 2mm HDPE with extruded welded HDPE block stiffeners running the full length of the jacket. Fastened with 316 Stainless Steel Marine Grade Bolts and Nuts.

#### PROPERTIES

2mm HDPE

AUSTRALASIAN INDUSTRIAL WRAPPINGS AND COATINGS PTY LTD  
49 JEDDA ROAD PRESTONS 2170 NSW AUSTRALIA  
TEL : 02 9608 8111 FAX : 02 8783 7055  
EMAIL: [enquiries@aiwc.com.au](mailto:enquiries@aiwc.com.au)  
WEB: [www.aiwc.com.au](http://www.aiwc.com.au)





## TECHNICAL DATA SHEET

### *RAM Series 2000 FD Jacket*

PROPERTY	TEST METHOD	UNIT	2.0 mm
Resin - Density	ASTM D 1505	g / cc	.9388
Resin - Melt Index	ASTM D 1238	g / 10 mins	.20
Sheet - Thickness Min	ASTM D 5199	mm	1.8
Mean	ASTM D 5199	mm	2.0
Sheet - MFI at 190/2.16	ASTM D 1238	g / 10 mins	≤1.0
Sheet - Density	ATSM D 1505	g / cc	≥ .94
Strength @ Yield	ASTM D 6693	N / mm	35
Elongation @ Yield	ASTM D 6693	%	>15
Strength @ Break	ASTM D 6693	N / mm	60
Elongation @ Break	ASTM D 6693	%	> 900
Tear Resistance	ASTM D 1004	N	> 275
Puncture Resistance	ASTM D 4833	N	>790
Ozone Resistance	ASTM D1149 (7 Days) 100ppm 104of)	oF	No cracks
Carbon Black Content	ASTM D 4218	%	≥ 2 / ≤ 3
Water Absorption (% weight change)	ASTM D570	%	<0.01
Coef. Linear thermal expansion (10.4/c)	ASTM D696		1.2
Moisture Vapour Transmission (g/m 2day)	ASTM E96	g/m 2day	<0.001
Carbon Black Dispersion	ASTM D 5596	Category	Cat 1 or 2
Std O.I.T.	ASTM D 3895	mins	>180
Environmental Stress Crack Resistance (NCTL)	ASTM D 5397	Hrs	> 800
Oven Ageing/90 days HP O.I.T.	ASTM D 5721 ASTM D 5885	% retained	>85
UV Resistance / 1600hr HP O.I.T.	GRI – GM 11 ASTM D 5885	% retained	>80

AUSTRALASIAN INDUSTRIAL WRAPPINGS AND COATINGS PTY LTD  
 49 JEDDA ROAD PRESTONS 2170 NSW AUSTRALIA  
 TEL : 02 9608 8111 FAX : 02 8783 7055  
 EMAIL: [enquiries@aiwc.com.au](mailto:enquiries@aiwc.com.au) WEB: [www.aiwc.com.au](http://www.aiwc.com.au)

