# GLOSED GELL PIR ISO FOAM SHEETS & BOARDS FROM APM

### **SPECIFICATION**

- 100% recyclable and processed sustainably.
- Remarkable tensile and compression strength.
- Exceptional mechanical and physical strength.
- Exceptional thermal and heat insulation.
- Exceptional flame and smoke resistant.
- No water and moisture absorption.
- Excellent thermal and heat stability.
- Extreme weather resistant.
- Service temperature up to 300°F.
- Excellent bonding properties with conventional resins and glues.
- Low resin and glue absorption is due to closed cells.
- Dust-free, easy to install, and low maintenance.
- Does not cause any allergic reaction.
- Manufactured in USA.

#### TECHNICAL SPECIFICATIONS

PROPE RT Y	AST M Method	PIR4SO 200	PIRASO35	PIR/ISO40	PIR/ISO60 0	UNIT
Density	D1622	2	3.5	4	6	lb s/f t <sup>3</sup>
K-factor, initial 10 days	C518	0.15	0.15	0.15	0.16	BTU-in/hr-ft <sup>2</sup> -F
R-value, initial 10 days	C518	6.6	6.6	6.6	6.2	Hr-ft <sup>2</sup> -F/BTU-in
K-factor, aged 180 days	C518	0.176	0.176	0.176	0.185	BTU-in/hr-ft2-F
R-value, aged 180 days	C518	5.7	5.6	5.6	5.4	Hr-ft <sup>2</sup> -F/BTU-in
		Dime	ensional Stabilit	r		
At -40F, 7 days	D2 126	-0.4	-0.2	-0.4	-0.3	% linear change
At 158F, 97% RH, 7 days	D2 126	2	1	1	1	% linear change
At 300F, 14 days	D2 126	0.8	1.4	0.8	-0.4	% linear change
Compressive Strength	D1 621	30 (207)	65 (450)	95 (655)	140 (970)	lbs/in² (kg/m³)
Closed Cell Content	D2 856	95	95	95	95	%
Water Absorption	C272	0.7	0.7	0.7	0.7	% by volume
Surface burning characteristics	E84	25/450	25/450	25/450	25/450	Flame spread/ Smoke Developed
Service temperature		-297 to +300	-297 to +300	-297 to +300	-297 to +300	Degrees F
ASTM E84	Class l	Yes	Yes	Yes	Yes	-
ASTM C591	TypeIV	Yes	Yes	Yes	Yes	-

# **APPLICATION**

- Residential and commercial building insulation.
- Stadium insulation.
- Roof, wall and ceiling insulation.
- Cruise and yacht structural insulation.
- Airport structural insulation.
- Shopping mall advertisement frames
- Refrigerator and freezer insulation.
- Cold storage (temperature control) insulation.
- Temperature-controlled truck and vehicle insulation.
- Structural insulation panel and laminate production.
- Partition wall manufacturing.
- Weather-resistant packaging.
- Cruise and yacht interior decoration.
- Commercial and residential interior decoration.
- Door and window panels.

## DIMENSION

- Thickness: 1/2" to 25"
- Dimensions: 48" X 96"
  - (4' X 8'); 48" X 288" (4' X 24')
- Custom cutting: Yes



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