

EPS[®] 2113

ACRYLIC EMULSION

DATA SHEET

Description

EPS 2113 is an all acrylic latex pressure sensitive adhesive for permanent type applications. The polymer has also shown to be useful in formulating plasticizer free-pigmented caulks and film to film lamination. This product is not FDA approved. Typical values below are for the neat polymer.

- ✓ 180° Peel (PSTC 101) 2.0 lbs/inch
- ✓ Loop Tack (PSTC 16) 2.0 lbs/square inch
- ✓ Static Shear (PSTC 107)* > 10,000 minutes (1" x 1" x 1kg)
- ✓ Broad adhesion

Specifications

Weight Solids: 57.0 ± 0.7%
Weight/Gallon: 8.70 ± 0.10
pH: 7.0 - 8.0

Suggested Formulation

EPS 2113 PIG1 – White Pigmented Caulk (low cost)

Typical Properties

Volume Solids: 55.1 ± 0.7%
Tg: -34°C (measured)
Acid Value (on solids): N/A
Viscosity (#4 @ 20 rpm): 100 – 800 cps

05-08-2014

Questions? Call EPS Technical Service @ 1-800-601-8111

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SUGGESTED FORMULATION

FORMULA: EPS 2113 PIG 1 (07/09)
 WHITE PIGMENTED CAULK

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
390.24	43.85	EPS 2113	EPS	Add components in order
15.37	1.65	Ethylene Glycol		Under agitation with a cowles or anchor
14.61	1.60	Igepal CA 897	Rhodia	Blade.
3.35	0.33	Tamol 850	Dow	
15.37	2.45	Mineral Spirits	Exxon Mobil	
1.06	0.12	Silquest A 187	Momentive	
2.13	0.19	Natrosol 250HBR	Ashland	
1119.29	49.59	Duramite	Imerys	Make sure that all pigment is thoroughly mixed in before adding ammonia to desired viscosity.
<u>1.67</u>	<u>0.22</u>	28% Ammonium Hydroxide		
<u>1563.09</u>	<u>100.00</u>	Totals		De-gas the system under vacuum after mixing.

Formulation Parameters

Weight Solids	86.73%
Volume Solids	75.96%
Pigment Weight	71.61%
Pigment Volume Conc.	66.32%
Pigment/Binder	4.98
VOC Level	0.39 lb/gal 47 g/l
Weight/Gallon	15.63

Typical Properties

Color	White
Extrudability, 50 psi 1/8" opening	4.46 g/sec
Low Temperature Flexibility	Pass
Slump	0.05"

Suggested Application Methods

Gunned or spread

08-31-2011

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