

## FK-705

A utility grade Foil-Kraft Facing which consists of 7 micron foil and 50gsm Kraft paper, mainly used as a facing & vapor barrier of glasswool / rockwool / mineral wool / foam duct wrap insulation, also suitable for other insulation applications where a general use vapor retarder is needed. It is also a good choice for radiant barrier applications because of its low emissivity.

### Shengli Abrasvie & Adhesive

#### Facing Composition

| Facing Composition | Description  | Value (English)   | Value (Metric) |
|--------------------|--------------|-------------------|----------------|
| Foil               | Aluminum     | 0.28 mil          | 7 micron       |
| Adhesive           | Polyethylene | -----             | -----          |
| Kraft              | Natural      | 30 lbs / 3000 ft2 | 50gsm          |

#### Typical Physical Properties

| Physical Properties         | Test Method               | Value (English)     | Value (Metric)  |
|-----------------------------|---------------------------|---------------------|-----------------|
| Basis Weight                | Scale                     | 15.3 lbs / 1000 ft2 | 75 gsm          |
| Permeance (WVTR)            | ASTM E96, Procedure A     | 0.1 perm            | 5.75 ng/N.s     |
| Tensile Strength - MD       | ASTM D828                 | 19.3 lbs/in         | 85 N/25mm       |
| Tensile Strength - XD       | ASTM D828                 | 11.4 lbs/in         | 50 N/25mm       |
| Burst Strength              | ASTM D774                 | 29 psi              | 20 N/cm2        |
| Low Temperature Resistance  | ASTM D1790                | Remains Flexible    | Remains         |
|                             | 4 hrs @ -40 °F (- 40 °C)  | No Delamination     | No Delamination |
| High Temperature Resistance | ASTM D1790                | Remains Flexible    | Remains         |
|                             | 4 hrs @ +240 °F (+116 °C) | No Delamination     | No Delamination |
| Dimensional Stability       | ASTM D1204 @ 150F         | Less than 0.5%      | Less than 0.5%  |
| Emissivity                  | ASTM E408                 | 0.03                | 0.03            |

