

## SPC-10062 for Panel Foam

### DESCRIPTION

SPC-10062 polyol is a fully formulated polyol blend, especially developed for PU rigid foam insulation, applied with metal face sheet or non-metalic face sheet like Mgo, OSB, etc.

It is cyclopentane blowing agent to achieve the foreseen foam density. When SPC-10062 polyol and isocyanate (MDI) are mixed together using suitable equipment, the good flowability of the resulting foam makes it possible to achieve a homogenous foam density throughout the cross section of the panel. Foams which are allowed to cure for a sufficient time in the mould according to the foam thickness show good adhesion to the surface and good dimensional stability.

SPC-1006 polyol contains sufficient amount of fire retardant for the foreseen applications and the foams obtained by using it together with isocyanate (MDI) are classified as B2 or B3 according to DIN 4201 classification. It is recommended that a mould surface temperature of 40°C is maintained during production.

### SPECIFICATION

| technical parameters            |                     |                                |        |
|---------------------------------|---------------------|--------------------------------|--------|
| Item                            | Unit                | Data Range ( From min to max ) |        |
| density :                       | KG/M <sup>3</sup>   | ≥42.9                          | ≥30    |
| heat conductivity coefficient : | W/M·K               | ≤0.02                          | ≤0.027 |
| moisture permeance factor       | NG/PA.M.S           | ≤3.34                          |        |
| water absorption                | G/100M <sup>2</sup> | ≤0.5                           | ≤4     |
| closed porosity                 | %                   | ≤97                            | ≥90    |
| compressive strength            | KPA                 | ≥220                           | ≥150   |



**ENGAGED IN PU INDUSTRY**

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|                         |                         |       |       |
|-------------------------|-------------------------|-------|-------|
| flexure strength        | KN/M <sup>2</sup>       | ≥2450 | ≥1750 |
| oxygen index            |                         | ≥28   | ≥26   |
| Combustion rating       |                         | B     |       |
| Flame prevalence        |                         | ≤15   | ≤25   |
| Vertical burning method | burning time            | ≤7.96 | ≤30   |
|                         | combustion flame height | ≤15   | ≤250  |
| Stability               |                         | ≤1%   | ≤1%   |

## FIRST AID for EYES & SKIN

When working, please avoid contact of polyol with eyes or skin. Safety glasses are suggested. Skin contaminated with polyols should be washed with soap and plenty of water. If polyol contacts eyes, flush with plenty of low pressure flowing water or get medical attention.

## PACKING&STORAGE

Polyol: 200 kg per iron drum, isocyanate: 250 kg per iron drum.

Moistureproof, ventilation, sealed storage, shelf life of 6 months.