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ENGAGED IN PU INDUSTRY
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Blend Polyols SPC-10081 for Refrigerators

Products Introduction

SPC-10081 blend polyols use C-pentane or CP/IP as blowing agent, which applies to refrigerators, freezers, and other insulation products. The characteristics of the products are as follows

1.excellent flowability, the density of the foam is well-distributed, and the thermal conductivity is low

2.excellent low-temperature dimensional stability and good cohesiveness;

3. demould time is 6-8 minutes.

4. SPC-10081is without C-pentane。

Physical Properties

Appearance		Pale yellow transparent liquid
Hydroxyl Value	mgKOH/g	370-410
Dynamic Viscosity（25℃）	mPa.s	2800-4000
Specific Gravity （20℃）	g/ml	1.05-1.07
Storage Temperature	℃	10-25
Storage stability	Month	6

Recommended Ratio

Ratio	pbw
SPC-10081	100
C-pentane	12-14
MDI	136-145

Technology and Reactivity(the exact value varied depending on processing conditions)

Items		Manual Mixing （low pressure machine）	High Pressure Machine Mixing
Material Temperature	℃	20-25	20-25
Mould Temperature	℃	35-40	35-40
Cream Time	s	10-16	8-12
Gel time	s	70-90	45-60
Tack free time	s	100-120	80-100
Free density	kg/m^3	25-26	24-25.5

Foam Performances

Items	Test Method	Index
Moulding Density	GB/T 6343	≥35kg/m^3
Closed-cell rate	GB/T 10799	≥92%
Thermal Conductivity （15℃）	GB/T 3399	≤21 mW/(m.K)
Compressive strength	GB/T 8813	≥150kPa
Dimensional stability (24h ,-20℃)	GB/T 8811	≤0.5%
(24h ,100℃)	GB/T 8811	≤1.0%

The data provided above are typical value, which are tested by our company. For our company's products, the data included in the law do not have any constraints.