

## Rigid Polyurethane Blend Polyols for Spray Insulation (DonSpray 502)

### Product Introduction



DonSpray 502 is spray blend polyols, it reacts with isocyanate to produce foam which has excellent performances, which are as follows,

- 1) fine and uniformity cells
- 2) low thermal conductivity
- 3) perfect fire resistance
- 4) excellent low temperature dimensional stability.

It applies to all kinds of thermal insulation projects which use the spray, such as cold rooms, large pots, large-scale pipelines and construction out-wall or inner-wall etc.

### Physical Properties

Appearance		Pale yellow to brown viscous liquid
Hydroxyl Value	mgKOH/g	200-300
Dynamic Viscosity (25 °C)	mpa.s	100-200
Specific gravity (20 °C)	g/ml	1.12-1.20
Storage Temperature	°C	10-25
Storage Stability	month	6

### Recommended Ratio

		pbw
DonSpray 502		100
Isocyanate		100-105

### Reactivity Characteristics

Component temperature is 20°C, the actual value is varied according to pipe diameter and processing condition.

Cream Time	s	3-5
Gel Time	s	6-10

### Foam Performances

items	Test Method	Index
Spray Density	GB 6343	≥35kg/m <sup>3</sup>
Closed-cell Rate	GB 10799	≥90%
Initial Thermal Conductivity (15°C)	GB 3399	≤24mW/(m.K)
Compressive Strength	GB/T8813	≥150kPa
Adhesive Strength	GB/T16777	≥120kPa
Elongation at break	GB/T9641	≥10%
Dimensional Stability 24h -20°C 24h 70°C	GB/T8811	≤1%
		≤1.5%
Water Absorption	GB 8810	≤3%
Oxygen Index	GB 8624	≥26

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.

**ISSUED BY TECHNICAL DEPARTMENT**

**OF SHANGHAI DONGDA**

