



### **BAYER DESMODUR 44V20L**

Bayer Desmodur 44V20L is a liquid, dark brown polymeric isocyanate based on diphenylmethane-4,4'-diisocyanate (MDI) with isomers and homologues of higher functionality. It is used in conjunction with polyols to produce polyurethane.

### **PRODUCT SPECIFICATION**

SI. NO.	CHARACTERISTICS	UNIT	SPECIFICATION
1	Appearance	None	Liquid
2	Colour	None	Dark Brown
3	Density	g/cm <sup>3</sup>	1.220 – 1.230
4	Viscosity	mPa.s	160-240

### **REACTION SPECIFICATION**

SI. NO.	CHARACTERISTICS	UNIT	SPECIFICATION
1	Ideal Operated Temperature	Celsius	21-25
2	NCO Content	%	30.5-32.5
3	Acid Division	None	<=0.05
4	Hydrolytic Chlorine	%	<=0.04
5	Average Functionality	None	2.7

### **STORAGE STABILITY**

The product must be stored out of direct sunlight and weather. The containers must be kept sealed against moisture at all times in storage. Ideal storage temperature is approximately 20°C. Under these conditions, the product will remain stable for more than 6 months.

### **SAFETY PRECAUTIONS DURING HANDLING**

Suprasec 5005 is a 2- phenyl methane di-isocyanate (MDI) mixture as base.

- Suprasec 5005 may cause slight to moderate irritation when it is exposed to the skin, the eyes, and the mucous membranes.
- Safety goggles and impermeable protective gloves should always be worn if there is a risk of direct exposure when handling Suprasec 5005.
- Splashes that are exposed to skin must be wiped off immediately and the contaminated areas must be thoroughly washed with soap and water.
- Affected areas should be treated with a good barrier cream.
- To prevent further contact with the skin, contaminated clothing should be changed immediately and thoroughly cleaned before reuse.
- The product must be kept away from food items.
- Anyone involved in the application of the system must familiarize themselves with the safety precautions required of rigid polyurethane foam.

### **DISCLAIMER**

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