

FICHA TECNICA DEL PRODUCTO



UNF-DESMODUR

DESCRIPCION:

UNF-DESMODUR 44V20L, is a liquid, dark brown mixture of diphenylmethane-4,4'-diisocyanate (MDI) with isomers and homologues of higher functionality. It is used in conjunction with polyols to produce rigid polyurethane foams.

INSTRUCCIONES DE PROCESAMIENTO:

UNF-DESMODUR 44V20L may undergo partial crystallization at temperatures below 0 °C. The product can, however, be brought back into the liquid state by heating the entire contents of the drum for a short time to a maximum of 70 °C, although this may lead to an increase in the solids content. Drums including empty ones should always be kept tightly sealed. The product should never be allowed to come into contact with water, which reacts with UNF-DESMODUR 44V20L to form polyureas and carbon dioxide. Contact with water in any form (damp drums, solvents containing water, moist air) must be prevented not only during storage, but also when removing material from drums and during processing. Failure to do so may lead to a dangerous build up of pressure in tanks and drums due to the generation of carbon dioxide. In addition, polyureas forming in UNF-DESMODUR 44V20L can cause solids to separate out, leading to blockages in the filters, pumps and pipelines of the processing equipment and resulting in production problems.

ALMACENAMIENTO:

- Recommended storage temperature: + 10 to + 30 °C (in exceptional cases up to 50°C)
- Storage stability (ex works): 6 months if stored in moisture-tight drums

PROPIEDADES FISICOQUIMICAS:

	VALUE	UNIT OF MEASUREMENT	METHOD
NCO CONTENT	30.5 - 32.5	% by wt.	MDI-01-01
VISCOSITY 25 °C*)	160 - 240	mPa·s	MDI-01-02
ACIDITY	MAX. 200	ppm HCl	MDI-01-03

*) Lengthy storage can lead to an increase in the viscosity of UNF-DESMODUR 44V20 L, although in our experience this has no adverse effect on the processing properties of the product.

	VALUE	UNIT OF MEASUREMENT	METHOD
DENSITY 20 °C	APPROX. 1.23	g/cm ³	DIN 51757
PHENYLISOCYANATE CONTENT	MAX. 50	ppm	MDI-01-09
COEFFICIENT OF THERMAL EXPANSION	6.59 10-4	K-1	
SPECIFIC HEAT (CP)	APPROX. 1.51	kJ/kgK	

*These values provide general information and are not part of the product specification

MANEJO SEGURO:

Manejo como un químico industrial, usar equipo de protección personal. Ver medidas de precaución en LA HOJA DE SEGURIDAD

PRESENTACIÓN:

Drums, IBCs, tank containers and tank wagons