

Synthe foam 7026

Isocyanate 5700

DESCRIPTION

Two-component polyurethane system, prepared and formulated to obtain semi-rigid integral skin foam. This system could be supplied in black, colourless and another colours. It does not contain CFCs neither HCFCs.

COMPONENTS

- COMPONENT A:** **Polyol 7026**
 Mixture of polyols containing catalysts, additives, pigments and stabiliser agents
- COMPONENT B:** **Isocyanate 5700**
 Modified diphenylmethane diisocyanate (MDI)

USES

The systems are suitable for the production of integral foam parts with a moulded density of between 350 – 550 g/l.

They are especially suitable for the furniture (armrests, chairs and stools, etc.), automobile (gear lever, steering wheels and finishes, etc.) and in general when pieces of high performance necessary

CONDITIONS OF USES

The system may be used on both high and low pressure machines (100-150 bar).

The recommended component temperature in the holes is 22±2°C and that of the mould between 35 and 40°C.

Before loading into the machine, component A (polyol) should be homogenised for 5 – 10 minutes with a suitable stirrer.

The machine volume flow should be calculated in relation to the weight of the finished part, the mould load input and the foam reaction times. Product unloading should be done in a time shorter than that of cream.

To obtain good finished part quality, it is important the mould design, the thickness and shape, gas output orifices and mould angle.

Demoulding times are between 3 and 5 minutes, depending on the thickness and shape of the part.

COMPONENTS CHARACTERISTICS

Characteristics	Units	5700	7026
Specific weight 25°C	g/cm ³	1.2	1.05
Viscosity 25°C	mPa.s	140	900
Ignition temp..	°C	> 200	> 170
NCO content	%	26	--

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SYSTEM SPECIFICATIONS

Measurement carried out in a test recipient at 22°C and at the mix ratio indicated within the company's standard method (MAN - S03).

Mix Ratio A / B : 100 / 52 ± 4 in weight.

Characteristics	Units	7026
Cream time	s	22 ± 2
Gel time	s	65 ± 5
Tack free time	s	90 ± 10
Free density	g / l	200 ± 10

FOAM SPECIFICATIONS

Test parts are done by low pressure machine, of 200 x 100 x 40 mm dimensions, A / B ratio = 100 / 52 and with a moulded density of 450 g / l.

Characteristics		Units	7026
Density	DIN 53420	Kg/m ³	400 - 500
Shore hardness	DIN 53505	ShA	60 - 80
Traction strength	DIN 53571	Kpa	2500
Elongation		%	80 - 100
Tearing S.	DIN 53515	N / mm	30 - 40
Compression set (50%, 70°C 22h)	DIN 53572	%	7 - 9
Contraction mould		%	< 1

STORAGE RECOMEMNDATIONS

A and B components are sensitive to humidity and should be stored in drums or hermetic containers. Storage temperature should be between + 15 and + 25°C.

Lower temperatures that may cause isocyanate crystallisation should be avoided as should high temperatures that may cause polyol alteration.

With appropriate validity periods are of 4 months for component A (polyol) and 6 months for component B (isocyanate).

Synthe foam
7026**Isocyanate**
5700**SAFETY RECOMMENDATIONS**

The system does not present significant risks if handled suitably. Contact should be avoided with the eyes and the skin. During system preparation and handling product "Safety Specification Data" should be taken into account

SUPPLY

The material is normally supplied in metal, non-returnable 220-litre drums (blue for component A and black for component B).