



SPECFLEX[®] NF 706 Polyol

SPECFLEX[®] NE 434 Isocyanate

DESCRIPTION

New cold cure MDI fully water blown system specially designed to provide:

- Fast curing.
- Good foam stability/processability in combination with easy foam crushability.
- Slow foam reactivity/growing profile which help in particularly suitable for intricate mold, multi pouring technology and dual hardness technology (varying the Iso/Pol ratio).
- Wide foam hardness range.
- Wide foam mold temperature latitude.
- Very good industrial hygiene performance.

The typical application density (core) ranges from 45 to 70 g/l.

Suitable for production of small and big pads, with and without insert, especially for automotive applications.

This system also can be used for dual hardness technology by varying the mix ratio.

TYPICAL COMPONENT PROPERTIES

	Unit	PECFLEX [®] NE 434 Isocyanate	PECFLEX [®] NF 706 Polyol
OH Number	mg KOH/g	---	35.3 - 40
NCO content	%	29.5	---
Colour		Brown	White
Viscosity at 25 °C	mpasxsec	66	1340
Specific gravity 25°C/25°C		1.21	1.03
Storage Temperature	°C	15-25	15-25
Storage stability (1)	Months	6	6

(1) Stored in the original sealed drums in a dry place at the recommended temperature

METERING RATIO

Parts by weight

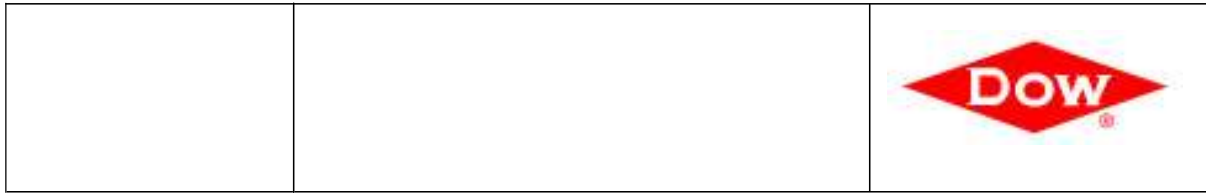
Recommended metering range Iso/Pol

55/100 – 68/100

REACTION CHARACTERISTICS (Iso/Pol temperature 25/30 °C)

Actual values depending on processing conditions.

	Unit	Hand-mix	High pressure Machine
Cream time	Sec	12-14	9 -11
Gel time	Sec	62-70	60 - 68



PROCESSCONDITIONS

Each polyol drum should be properly mixed before use.
Molds must be treated with a proper release agent.

Typical Components temperature Iso/Pol °C	20-28/ 22-30deg C
Typical molds temperature °C	35 <-> 45
Demolding time min	4- 5 (depending mainly on Iso/Pol ratio)

Working Ratio	Pol 100 / Iso	55	62	70	Method
Overall Density	kg/m ³	55	65	54	ISO 845
Core Density	kg/m ³	50	61	49	JISK6401
25% ILD	kg/314cm ²	15.2	33	38	JISK6401
Resiliency Core	(%)	60	62	59	JISK6401
SAG FACTOR		2.7	2.9	2.9	JISK6401
Tensile Strength	kg/m ²	1.4	2.11	1.8	JISK6401
Elongation	%	102	100	99	JISK6401
Tear Strength	kg/m	0.56	0.62	0.58	JISK6401
50% Dry set	%	4.8	5.3	6.4	JISK6401
Dynamic Fatigue (Comp.)	%		0.2		JASO B408
Dynamic Fatigue (Hardness.)	%		7.7		JASO B408

FLAMECHARACTERISTIC: (Flame propagation and/or flame rates don't represent the true hazard when the polymer is exposed to real fire condition).

According to : MVSS 302
UNI CT 225

Please consult the Material Safety Data Sheets for detailed information on product safety handling and emergency procedures.