



VORALUX® HK 543 Polyol

VORALUX® HE 161 Isocyanate

Description

VORALUX* HK 543 Polyol and VORALUX HE 161 Isocyanate is a ALL MDI based system, low-resilience / fast recovery time from an applied stress and without HCFC-141b (co-blowing agent). Applied densities range from 30 to 60 kg/m³. The system is suitable for production of pillow and travel neck pillow with low c. set results. It could be added 10% of BA Forane 141B, to achieve an ultra-low molded density of 23 Kg/m³.

Typical Component Properties

	Units	VORALUX* HK 543 Polyol	VORALUX* HE 161 Isocyanate	Test Method
Hydroxyl Nr	mgKOH/g	36.5 – 46.5	-	ASTM D 4274d
NCO content	%	-	28.3 – 29.7	ASTM D 5155
Specific Gravity 25°C	g/cm ³	1.08	1.22	ASTM D 891
Viscosity 25°C	mPa.s	1250	130	ASTM D 4889

Recommended Process Conditions

Polyol ingredient may separate in different layers, therefore each drum must be properly mixed before use.
Molds must be treated with a proper release agent.

	Units	Limits
VORALUX* HK 543 Polyol	Pph	100
VORALUX* HE 161 Isocyanate	Pph	50 – 60
Molds Temperature	°C	45 – 50
Demolding Time	min	3 – 5 (depending on Iso/Pol ratio)

Handling and Storage

Stored in the original sealed drums in a dry place at the recommended temperature.

	Units	VORALUX* HK 543 Polyol	VORALUX* HE 161 Isocyanate
Storage temperature	°C	10 - 30	15 - 35
Storage stability / Shelf life	months	6	6

Typical Polymer Properties

These items are provided as general information only.

	Units	Results	Test Method
Cream time	Sec	10	-
Gel time	Sec	68	-
Tack free time	Sec	240	-
Free density	Kg/m ³	32	-

Safety Considerations

Safety Data Sheet (SDS) is available from the Dow Chemical Company. SDS is provided to help customers satisfy their own handling, safety and disposal needs, and those that may be required by locally applicable health and safety regulations. SDS sheets are updated regularly. Therefore, please request and review the most current SDS before handling or using any product. Copies of the SDS are available on request through your nearest Dow Sales office.

Customer Notice

Dow encourages its customers to review their applications of Dow products from the standpoint of human health and environmental quality. To help ensure that Dow products are not used in ways for which they were not intended or tested, Dow personnel are willing to assist in dealing with ecological and products safety consideration. Your Dow representative can arrange the proper contacts.

Contact information

For more information about PU Systems products, call The Dow Chemical Company :
<http://www.dow.com/pusystems/index.htm>

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