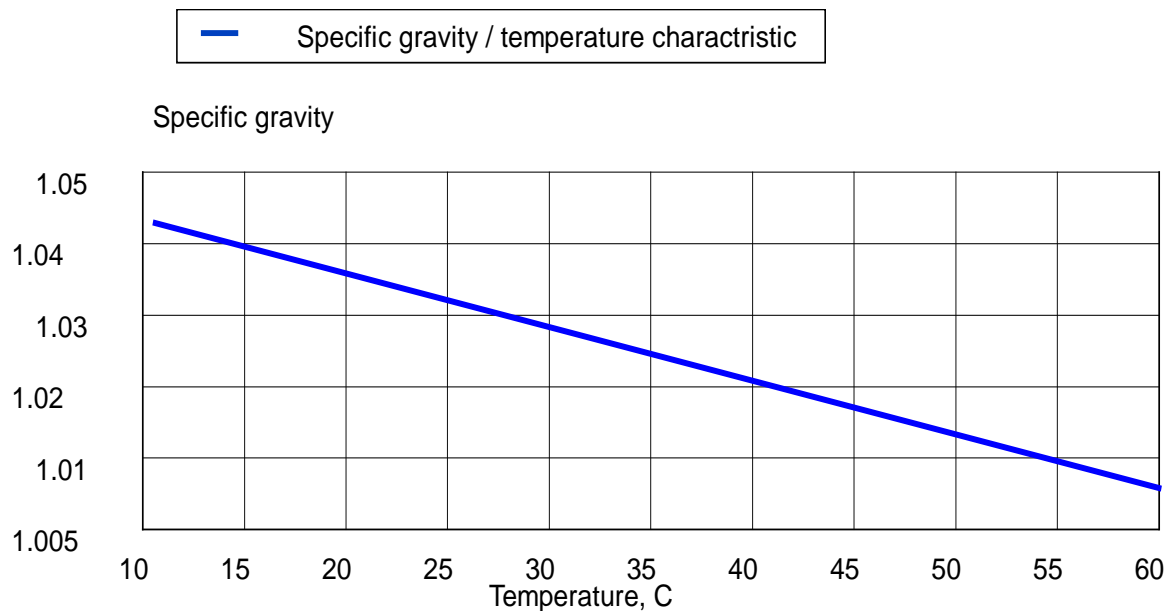


KONIX KE-878N

KONIX KE-878N copolymer polyol is a unique grafted polyol containing a high levels of copolymerized styrene and acrylonitrile. KONIX KE-878N copolymer polyol and other KONIX polyols form stable dispersions that will not separate under normal conditions. This polyol is designed primarily for use in the full density range of high load bearing flexible slab stock foams. Foams made with this product are used in carpet underlay, fire retardant cushions, packing, and other high load bearing applications. KONIX KE-878N can be used in 100% copolymer formulation or blended with conventional slab stock polyols.

TYPICAL PROPERTIES

Appearance-----	White viscous liquid
Hydroxyl number, mg KOH/g -----	30.0
Acid number, mg KOH/g -----	0.1 max
Water content, wt.%-----	0.1 max
Viscosity, cps at 25°C-----	5200
Solid content, % -----	44



Formulation and Foam properties

Formulation	1	2	3
KONIX KE-878N	100	100	100
WATER	3.2	1.6	1.2
BF-2370	1.1	0.7	0.6
A-1	0.05	-	0.3
T-9	0.18	0.12	0.11
TDI-80	40.0	24.5	18.0
index	113	123	113
Cream time(sec)	11	10	13
Rise time(sec)	80	110	164
Foam properties			
Density, kg/m ³	29.5	48.9	70.9
ILD, Kg/314 cm ²			
25%	49.7	61.7	90.5
65%	117.8	141.6	214.7
Ball Rebound,%	25	37	42
Elongation,%	63	75	68
Tear strength,Kg/cm	0.80	1.05	1.20
Tensile strength,Kg/cm ²	1.50	2.16	2.41
Compression set,%			
50% strain,70°C 22hrs	9.6	2.3	1.4

Test condition : Raw Material Temperature = 30°C / 28°C (Polyol / TDI-80)
Hand Mixed (rpm=5000)

Foam Properties : JIS-K-6301, JIS-K-6401

PACKING

KONIX KE-878N is supplied in steel drums.

Average net weight 200 kg

Average gross weight 219 kg

STORAGE

KONIX KE-878N is slightly hygroscopic and must be stored under conditions so that contamination with water and the absorption of atmospheric moisture are prevented.

Contact with copper or copper alloys must be avoided.

KONIX KE-878N should be stored in dry conditions away from direct sources of heat, preferably in the unopened original containers. Opened drums must be reclosed tightly immediately after drawing-off material.

Recommended maximum storage time 12 months.

HANDLING PRECAUTIONS

KONIX KE-878N is a very low order of acute toxicity and is neither irritating nor sensitizing to the skin. It is a chemical for industrial use and normal care should be taken to avoid unnecessary contacts, splashes in the eyes or accidental ingestion.

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