

KONIX KE-1990

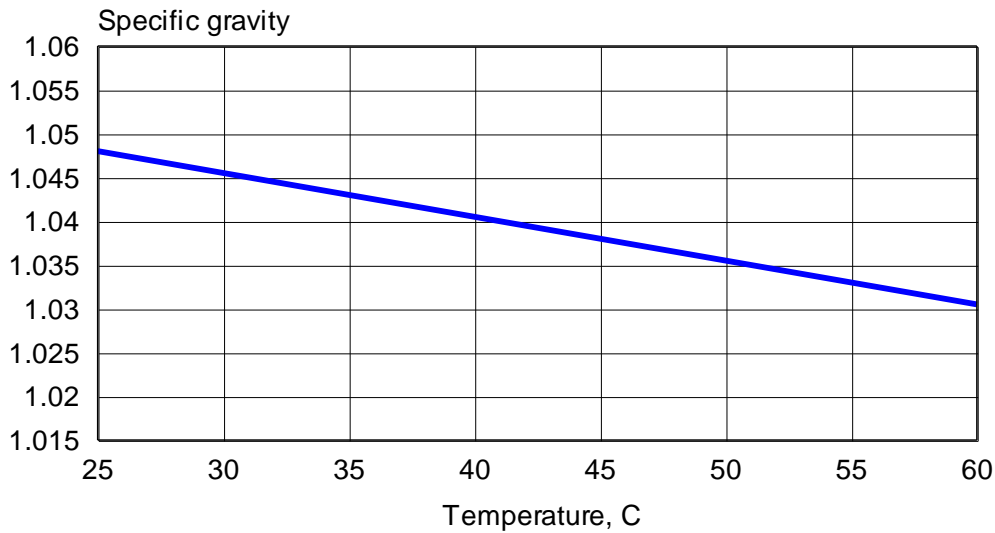
KONIX KE-1990 is a low viscosity graft polyether polyol containing a medium level of copolymerized styrene and acrylonitrile. This polyol is designed primarily for use in preparing flexible slab stock foams having high load bearing.

Used alone, it has been found to produce flexible foams having 20~ 30% higher ILD value than conventional polyether polyol based foams at equivalent densities.

TYPICAL PROPERTIES

Appearance-----	White liquid
Hydroxyl number, mg KOH/g -----	41.0
Acid number, mg KOH/g -----	0.1 max
Water content, wt.%-----	0.1 max
Viscosity, cps at 25°C-----	950
Solid content, % -----	13.5
Average molecular weight -----	4100

— Specific gravity/temperature characteristic



Formulation and Foam properties

Formulation	1	2
KONIX KE-1990	100	100
WATER	5.0	5.0
L-580	1.5	1.2
DABCO-33LV	0.12	0.07
A-1	0.05	0.03
T-9	0.30	0.2
M.C	10	
TDI-80	65.2	61.3
index	117	110
Foam properties		
Density, kg/m ³	16.3	21.8
ILD, Kg/314cm ²		
25% Def.	13.1	20.9
65% Def.	30.1	43.9
Ball Rebound,%	40	45
Elongation,%	80	100
Tear strength,Kg/cm	0.67	0.68
Tensile strength,Kg/cm ²	0.95	1.20
Compression set,%		
50% strain,70°C 22hrs	9.6	9.3

PACKING

KONIX KE-1990 is supplied in steel drums.

Average net weight 200 kg

Average gross weight 219 kg

STORAGE

KONIX KE-1990 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-1990 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-1990 is a very low order of acute toxicity and is neither irritating nor sensitising 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.