



ENDURANCE 4145

(Polyol Blend A)

TECHNICAL DATASHEET

Rev: 12/24

DESCRIPTION:

Endurance 4145 is the A component of a two part cold cure polyurethane chemical system which, when reacted with the suggested B component in accordance with these instructions, produces a 55°A elastomer. The system was developed for the manufacture of air filter element endcaps.

Endurance 4145 is based on polyether polyols and supplied and is catalysed with a none organo-metallic compound (mercury) to cure at room temperature.

TYPICAL PROPERTIES:

Polyol:

Appearance	:	Easy flowable black liquid
Viscosity (mPas) @ 25°C	:	800 ± 100
Specific Gravity @ 25°C	:	1.03 ± .02
OH Value (mg KOH/g)	:	90 ± 5
Acid Value (mg KOH/g)	:	0.06
Water Content (%)	:	<0.1

Iso: Endurance 9040

<u>Recommended Mixing Ratio:</u>	:	Endurance 9040	100 : 32.3
(by mass)			(3.1 : 1)

Reaction Profile @ 25°C:

Gel Time (s)	:	70 - 100
Final Hardness (°A)	:	50 – 55
Final Density (g/l)	:	1120 ± 100

STORAGE RECOMMENDATIONS:

Components need to be well stirred before mixing together. Components should be at 25° C when mixing for best results.

Under recommended storage conditions (20 – 25° C) and in properly sealed containers, i.e. drums, cans etc., the storage life of Endurance 4145 is 6 months.

HEALTH AND SAFETY ADVICE:

Under normal conditions of use and application of good industrial housekeeping and hygiene this product does not present a significant health hazard. Should the material be splashed on the skin, it should be removed with copious irrigation with clean water followed by washing with warm water and soap. Following eye contamination and copious irrigation with clean water to remove the material from the eyes, the person should be medically examined. Following ingestion, medical advice should be sought.

Also refer to the attached Material Safety Datasheet (MSDS) for handling isocyanates.