



Provisional Technical Data Sheet

HYPERLAST LU 1082 Polyol **HYPERLAST LE 5046** Prepolymer

Description

HYPERLAST™ LU 1082 Polyol / HYPERLAST LE 5046 Isocyanate is a polyether based 85 Shore A system developed for low temperature castings.

Typical Component Properties

	Units	HYPERLAST™ LU 1082 Polyol	HYPERLAST™ LE 5046 Isocyanate	Test Method
Viscosity	Cpas	800	400	ASTM D445
Specific gravity	g/cm ³	1,01	1,21	ASTM D891

These are typical values and should not be construed as specifications.

Recommended Process Conditions

	Units	Value
HYPERLAST™ LU 1082 Polyol	pbw	100
HYPERLAST™ LE 5046 Isocyanate	pbw	53-54
Polyol temperature	°C	25-30
Isocyanate temperature	°C	25-30
Mold temperature	°C	50-80

RATIO

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Typical Reaction Characteristics

	Units	Value
Gel Time	min	3-5
Demould Time	min	15-30

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Handling and Storage

	Units	HYPERLAST™ LU 1082 Polyol	HYPERLAST™ LE 5046 Isocyanate
Storage temperature	°C	10 – 30	25 - 35
Storage stability / Shelf life ⁽¹⁾	months	12	12

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

Typical Polymer Properties

	Units	Limits	Test Method
Hardness	ShA	85	ISO 868
Tensile strength	MPa	15	ISO 527 type 5
Elongation	%	170	ISO 527 type 5
Angle Tear	N/mm	44,9	ISO 34

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