

PROVISIONAL TECHNICAL DATA SHEET

APPLICATION

Two-component transparent polyurethane system.
Mercury and heavy metals free. Good for decals coating, suitable for advertising, toys, home appliances, automotive.

DESCRIPTION

By direct casting @ RT and pressure, after degassing cycle for both components.

PROCESSING

Medium fast reactivity system, curing at room temperature in 18-24 hours (25°C at 40%RH): Very good optical transparency.
 A Curing Cycle of some hours in hot room (45°C) is suggested to reach faster final properties.
 The final cured polymer shows a soft behaviour.
 Very good chemical and outdoor resistance

	RESIN:	HARDENER:
	TS 100	KM 130 HV
Ratio byW	98±1	100
Ratio byV	100	100

MAIN PROPERTIES	
System compliance	REACH, RoHS and ELV European DIRECTIVES

	TS 100	KM 130 HV	Unit	Test Method/Condition
Storage Stability (15-25°C)	12	12	Months	Storage for sealed drums with original white cups safe closure
Color	Transparent	Transparent	/	/
Brookfield Viscosity at 23°C	400-450	250-350	mPas	Internal Method
Initial mixture Viscosity		300	mPas	Internal Method
Gel time at 25°C - 20g		40 - 60	min	
Pot life at 25°C - 30g - double initial viscosity		8	min	DIN 16945-16916
Pot life at 25°C -machine alarm		150	sec	
Hardness at 23°C		30-35	Shore D	ASTM D 2240
		85-87	Shore A	ASTM D 2240
Surface Tack free - removable		2-3	Hours	at 23°-25 °C 40% R.H.
Final curing		24-36	Hours	at 23°-25 °C 40% R.H.

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The data highlighted in grey are parameters systematically verified for each production batch. All above mentioned information are based on results gained from experience and tests. They are believed to be accurate but are given without acceptance of liability for application and characteristics of finished products, depending on technology and working methods of final use.