

PROVISIONAL TECHNICAL DATA SHEET - MERCURY FREE SYSTEM

APPLICATION

Two-component transparent polyurethane system. Good for decals coating, suitable for advertising, toys, home appliances, automotive.

DESCRIPTION

By direct casting @ RT and pressure, after degassing cycle for both components. A dosing/mixing equipment is recommended.

PROCESSING

Medium fast reactivity system, curing at room temperature in 24-36 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:

MF 075

DK 100 HV

Ratio byW

75±1

100

Ratio byV

75

100

MAIN PROPERTIES

System compliance

REGULATION (EU) 2017/852 OF THE EUROPEAN PARLIAMENT
REACH, RoHS and ELV European DIRECTIVES

	MF 075	DK 100 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	300 - 500	150 - 450	mPas	Internal Method
Initial mixture Viscosity	300-400		mPas	Internal Method
Gel time at 25°C - 20g	35-45		min	DIN 16945-16916
Pot life at 25°C - 30g - double initial viscosity	7		min	
Pot life at 25°C -machine alarm	120 - 180		sec	
Hardness at 23°C	35 - 45		Shore D	ASTM D 2240
	90		Shore A	ASTM D 2240
Surface Tack free - removable	3-4		Hours	at 23°-25 °C 40% R.H.
Final curing	16-24		Hours	at 23°-25 °C 40% R.H.

2017

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 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

Visita il nostro sito web: www.tosingraf.com