

## **TECHNICAL DATA SHEET OF ELASTOMER EQUIVALENT POLYURETHANE**

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### *Vacuum Casting flexible polyurethane system 60-65 Shore A*

This is a vacuum casting flexible polyurethane which is designed to be used in applications where elastomeric properties are required. **The system is specifically designed for use in gravity vacuum casting machines.**

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#### **Main Features**

***Excellent tear strength    Easily pigmented    Excellent demould time (45 mins)***

***Strong on demould                      excellent elongation***

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#### **Product Data**

	<b>A</b>	<b>B</b>	<b>MIXTURE</b>
<b>Material</b>	Clear polyol	Isocyanate	
<b>Appearance</b>	Clear liquid	Clear liquid	White liquid
<b>Density @ 25°C</b>	0.99 g/ml	1.16 g/ml	1.10 g/ml
<b>Viscosity @ 25°C</b>	800 mPa.s	500-650 mPa.s	500-600 mPa.s
<b>Pot life (125 g) @ 40°C</b>			3 minutes
<b>Gel time (125 g) @ 40°C</b>			4 minutes
<b>Demould time @ 70°C</b>			45 minutes

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**Cured Properties**

<b>Property</b>	<b>Cured 45 mins @ 70°C + 7 days @ Room Temperature</b>
<b>Shore hardness (A)</b>	60-65
<b>Linear Shrinkage (500 x 20 x 5 mm)</b>	0.3%
<b>Tensile Strength</b> ISO 527-2:1993	7.0 MPa
<b>Tear Strength</b> ISO 34	14.8 N/mm
<b>Elongation @ break</b> ISO 527-2:1993	530%

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