

**POLYelast TPE Z500**

TPE

Polykemi AB

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>7</b>	g/10min	ISO 1133
Temperature	<b>190</b>	°C	-
Load	<b>5</b>	kg	-
Molding shrinkage, parallel	<b>2.0</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>2.0</b>	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Strength	<b>6.5</b>	MPa	ISO 527
Strain at break	<b>&gt;50</b>	%	ISO 527
Stress at 100% elongation	<b>1.8</b>	MPa	ISO 527
Stress at 300% elongation	<b>7.8</b>	MPa	ISO 527
Compression set at 23 °C, 24h	<b>20</b>	%	ISO 815
Compression set at 70 °C, 24h	<b>38</b>	%	ISO 815
<b>ASTM Data</b>			
Shore A Hardness	<b>50</b>	-	ASTM D 2240
Tear Strength	<b>19</b>	kN/m	ASTM D 624

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>900</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Chemical Resistance**

Ozone Resistance

**Delivery form**

Granules

**Regional Availability**

Europe, Asia Pacific

**Special Characteristics**

U.V. stabilized or stable to weather