

**POLYelast TPE R44**

TPE-X5

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>8</b>	g/10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
Molding shrinkage, parallel	<b>1.4</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>1.4</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	<b>15</b>	MPa	ISO 527
Flexural modulus, 23°C	<b>700</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>28</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Shore D Hardness	<b>53</b>	-	ASTM D 2240
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 0.45 MPa	<b>87</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>135</b>	°C	ISO 306
<b>Other properties</b>			
Density	<b>940</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe, Asia Pacific

**Delivery form**

Granules