

Product Information	STPEZA1	 <b>Sam Polymer Bonyan</b>
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### Product Description

STPEZA1 is a black general purpose Thermoplastic Elastomer.

Property	Test Method (ASTM)	Test Condition	Value	Unit
<b>PHYSICAL</b>				
Density	D792	23°C	<b>1.04</b>	g/cm <sup>3</sup>
Mold Shrinkage	D955	In Flow, (2 mm, 60 MPa)	<b>0.79</b>	%
		Cross Flow, (2 mm, 60 MPa)	<b>0.27</b>	%
Melt Flow Rate	D1238	230°C, 2.16 kg	<b>11</b>	g/10min
<b>MECHANICAL</b>				
Tensile Strength, Break	D638	23°C	<b>14</b>	MPa
Tensile Elongation, Break	D638	23°C	<b>20</b>	%
Flexural Strength	D790	23°C	<b>20</b>	MPa
Flexural Modulus	D790	23°C	<b>850</b>	MPa
Izod Impact Strength	D256	notched, 23°C	<b>NB</b>	KJ/m <sup>2</sup>
<b>THERMAL</b>				
Vicat Softening Temperature	D1525	50 N, heating rate 50 °C/h	<b>40</b>	°C
Heat Deflection Temperature (HDT)	D648	0.45 Mpa	<b>65</b>	°C
		1.80 Mpa	<b>44</b>	°C

### Processing Guidelines

<b>Predrying</b>	Drying Time: 2-4 h	Drying Temperature: 80-100 °C
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<b>Injection Molding</b>	Cylinder Temperature (°C)	Mold Temperature (°C)	Injection Speed	Injection Pressure (MPa)
	200-230	30-80	Medium	40-130

\*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests.