


Product Information	<b>SA100I15R</b>	 <b>Sam Polymer Bonyan</b>
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### Product Description

SA100I15R is a natural POM impact modified by elastomer.

Property	Test Method (ASTM)	Test Condition	Value	Unit
<b>PHYSICAL</b>				
Density	D792	23°C	<b>1.35</b>	g/cm <sup>3</sup>
Mold Shrinkage	D955	In Flow , (2 mm, 60 MPa)	<b>1.9</b>	%
		Cross Flow, (2 mm, 60 MPa)	<b>1.9</b>	%
<b>MECHANICAL</b>				
Tensile Strength, Yield	D638	23°C	<b>40</b>	MPa
Tensile Elongation, Yield	D638	23°C	<b>12</b>	%
Flexural Strength	D790	23°C	<b>52</b>	MPa
Flexural Modulus	D790	23°C	<b>1300</b>	MPa
Izod Impact Strength	D256	notched, 23°C	<b>16.5</b>	KJ/m <sup>2</sup>
<b>THERMAL</b>				
Melting Point	D3418	-	<b>167</b>	°C
Vicat Softening Temperature	D1525	50 N, heating rate 50 °C/h	<b>122</b>	°C
Heat Deflection Temperature (HDT)	D648	0.45 Mpa	<b>111</b>	°C
		1.80 Mpa	<b>70</b>	°C

### Processing Guidelines

<b>Predrying</b>	Drying Time: 2-4 h	Drying Temperature: 80-90 °C
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<b>Injection Molding</b>	Cylinder Temperature (°C)	Mold Temperature (°C)	Injection Speed	Injection Pressure (MPa)
	175-205	80-90	Medium	35-70

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