

**Product Texts**

SABIC® POM 30S is a high molecular weight copolymer POM grade suitable for injection molding and extrusion applications for parts requiring rigidity and strength for many applications.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>2600</b>	MPa	ISO 527
Yield stress	<b>62</b>	MPa	ISO 527
Yield strain	<b>9</b>	%	ISO 527
Nominal strain at break	<b>32</b>	%	ISO 527
Flexural modulus, 23°C	<b>2500</b>	MPa	ISO 178
Tensile creep modulus, 1h	<b>2300</b>	MPa	ISO 899-1
Tensile creep modulus, 1000h	<b>1100</b>	MPa	ISO 899-1
Charpy impact strength, +23°C	<b>8.5</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	<b>7</b>	kJ/m <sup>2</sup>	ISO 179/1eU

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>165</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>101</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>110</b>	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>3.0</b>	mm	-

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>0.65</b>	%	Sim. to ISO 62
Density	<b>1410</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Features**

Copolymer