

**KOPPS® S23G40BL**

PPS-GF40

Kolon Industries

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.2</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>1.1</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	<b>175</b>	MPa	ISO 527
Flexural modulus, 23°C	<b>14500</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>9</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	<b>R 120</b>	-	ISO 2039-2
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>285</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>265</b>	°C	ISO 75-1/-2
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>&gt;1E13</b>	Ohm*m	IEC 62631-3-1
Comparative tracking index	<b>160</b>	-	IEC 60112
<b>Other properties</b>			
Density	<b>1650</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>120 - 130</b>	°C	-
Pre-drying - Time	<b>3 - 5</b>	h	-
Processing humidity	<b>≤0.05</b>	%	-
Mold temperature	<b>120 - 140</b>	°C	-
Zone 1	<b>230 - 250</b>	°C	-
Zone 2	<b>290 - 310</b>	°C	-
Zone 3	<b>290 - 310</b>	°C	-
Nozzle temperature	<b>300 - 320</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Regional Availability**

North America, Asia Pacific