

**PELPRENE™ S1002**

TPE

Toyobo Co., Ltd.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>17</b>	g/10min	ASTM D 1238
Temperature	<b>230</b>	°C	-
Mold Shrinkage, MD	<b>0.012</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength	<b>30</b>	MPa	ASTM D 638
Flexural Modulus	<b>108</b>	MPa	ASTM D 790
Shore D Hardness	<b>48</b>	-	ASTM D 2240
Tear Strength	<b>118</b>	kN/m	ASTM D 624
Taber Abrasion Resistance	<b>15</b>	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	<b>N</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Coefficient of Thermal Expansion, MD	<b>190</b>	E-6/K	ASTM D 696
Melting Temperature	<b>200</b>	°C	ASTM D 3418
Vicat Temperature	<b>172</b>	°C	ASTM D 1525
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Volume Resistivity	<b>2E12</b>	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Density	<b>1210</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>100 - 120</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-

**Characteristics****Delivery form**

Pellets

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Heat stabilized or stable to heat