

**Product Texts**

Tophane™ 2190 is completely recyclable.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Modulus at 100% Elongation	<b>10.2</b>	MPa	ASTM D 412
Modulus at 300% Elongation	<b>6.8</b>	MPa	ASTM D 412
Shore A Hardness	<b>90</b>	-	ASTM D 2240
Tear Strength	<b>112</b>	kN/m	ASTM D 624
Tensile Strength at Break	<b>41.8</b>	MPa	ASTM D 412
Elongation at Break	<b>650</b>	%	ASTM D 412

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1190</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>90 - 110</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Zone 1	<b>180 - 190</b>	°C	-
Zone 2	<b>190 - 210</b>	°C	-
Zone 3	<b>200 - 220</b>	°C	-
Nozzle temperature	<b>205 - 215</b>	°C	-
Screw speed	<b>50 - 80</b>	rpm	-
Injection pressure	<b>50 - 100</b>	MPa	-
Back pressure	<b>0.3 - 0.6</b>	MPa	-
Holding pressure	<b>30 - 60</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Chemical Resistance**

General Chemical Resistance, Oil Resistance

**Applications**

Automotive, Electrical and Electronical, Sports Equipment

**Regional Availability**

Asia Pacific