

**LUMICENE® Supertough 18ST10**

PE

TotalEnergies

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>1.15</b>	g/10min	ISO 1133
Temperature	<b>190</b>	°C	-
Load	<b>2.16</b>	kg	-
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>115</b>	°C	ISO 11357-1/-3
<b>Optical properties</b>			
<b>ISO Data</b>			
Haze	<b>5</b>	-	ISO 14782
<b>ASTM Data</b>			
Gloss	<b>70</b>	-	ASTM D 2457
<b>Other properties</b>			
Density	<b>919</b>	kg/m <sup>3</sup>	ISO 1183
<b>Film Properties</b>			
<b>ISO Data</b>			
Stress at yield, parallel	<b>10</b>	MPa	ISO 527-3
Stress at yield, normal	<b>10</b>	MPa	ISO 527-3
Stress at break, parallel	<b>39</b>	MPa	ISO 527-3
Stress at break, normal	<b>37</b>	MPa	ISO 527-3
Maximum strain, parallel	<b>600</b>	%	ISO 527-3
Maximum strain, normal	<b>600</b>	%	ISO 527-3
Dart drop A	<b>1400</b>	g	ISO 7765-1
Type of extrusion	<b>blown</b>	-	-
Thickness of specimen	<b>0.04</b>	mm	-
<b>Processing Recommendation Extrusion</b>			
Type of extrusion	<b>blown</b>	-	-
Melt temperature	<b>180 - 230</b>	°C	-

**Characteristics****Processing**

Blown Film Extrusion, Film Extrusion

**Regional Availability**

Europe

**Chemical Resistance**

Oxidation Resistance