

LUMICENE® Supertough 18ST05

PE

TotalEnergies

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	0.65	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	115	°C	ISO 11357-1/-3
Optical properties			
ISO Data			
Haze	8	-	ISO 14782
ASTM Data			
Gloss	60	-	ASTM D 2457
Other properties			
Density	918	kg/m ³	ISO 1183
Film Properties			
ISO Data			
Stress at yield, parallel	11	MPa	ISO 527-3
Stress at yield, normal	11	MPa	ISO 527-3
Stress at break, parallel	35	MPa	ISO 527-3
Stress at break, normal	35	MPa	ISO 527-3
Maximum strain, parallel	500	%	ISO 527-3
Maximum strain, normal	530	%	ISO 527-3
Dart drop A	1700	g	ISO 7765-1
Type of extrusion	blown	-	-
Thickness of specimen	0.04	mm	-
Processing Recommendation Extrusion			
Type of extrusion	blown	-	-
Melt temperature	180 - 230	°C	-

Characteristics**Processing**

Blown Film Extrusion, Film Extrusion

Regional Availability

Europe

Chemical Resistance

Oxidation Resistance