

LUMICENE® Supertough 33ST22

PE

TotalEnergies

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	2.2	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	122	°C	ISO 11357-1/-3
Optical properties			
ISO Data			
Haze	4	-	ISO 14782
ASTM Data			
Gloss	77	-	ASTM D 2457
Other properties			
Density	933	kg/m ³	ISO 1183
Film Properties			
ISO Data			
Stress at yield, parallel	12	MPa	ISO 527-3
Stress at yield, normal	12	MPa	ISO 527-3
Stress at break, parallel	27	MPa	ISO 527-3
Stress at break, normal	21	MPa	ISO 527-3
Maximum strain, parallel	370	%	ISO 527-3
Maximum strain, normal	490	%	ISO 527-3
Dart drop A	90	g	ISO 7765-1
Type of extrusion	cast	-	-
Thickness of specimen	0.02	mm	-
Processing Recommendation Extrusion			
Melt temperature	220 - 280	°C	-
Mold temperature	20 - 80	°C	-

Characteristics**Processing**

Film Extrusion

Chemical Resistance

Oxidation Resistance

Special Characteristics

High impact or impact modified

Regional Availability

Europe