



# NanoWrap 15

Product detail: Nanowrap Machine Film

Code: 20415

## Details

**Proposed Gauge:** 15um  
**Weight of roll:** 15KG  
**Film Manufacturing Method:** Nano Cast

## Material Properties

	Unit	ASTM*	NanoWrap 15
Gauge	um	Dial Gauge	15
Tensile Strength MD	MPa	D 882	36
Tensile Strength TD	MPa	D 882	25
Elongation at Break MD	%	D 882	456
Elongation at Break TD	%	D 882	630
Dart Drop	g	D 1709	85
Puncture	N-mm	FPT - 750	1.85
Ultimate Stretch	%	FPT - 750	320

### Key

<b>gm</b> Grams	<b>KLy</b> Kilo-Langley
<b>mm</b> Millimeters	<b>COF</b> Co-efficient of Friction
<b>kg</b> Kilograms	<b>Dart Impact:</b> Amount of force required to tear a sample apart.
<b>MPa</b> Megapascals	<b>Tensile Strength:</b> Maximum amount of force the film can take before breaking.
<b>MD</b> Machine Direction	<b>Elongation at break:</b> Strain on sample at the break as a % of the sample.
<b>TD</b> Traverse Direction	
<b>M</b> Meters	
<b>um</b> Micron, 1000/millimeter	

\* ASTM is a world trusted source for technical standards for materials. Is the internationally recognised standard setter for the plastics industry. [www.astm.org](http://www.astm.org)