



POWERPACK, LLC

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## PRODUCT SPECIFICATION

PRODUCT DESCRIPTION	POLYETHYLENE STRETCH FILM
Item Code	<b>PP2063M</b>
DATE	PowerStretch 63M

We hereby certify that product delivery to you have been tested and confirm to the following specification.  
LLDPE stretch film for use for hand wrap.

PHYSICAL PROPERTIES	Units	Tolerance +/-	Specification	TESTING METHOD
THICKNESS	Gauge	1 um	<b>63</b>	Thickness Gauge
WIDTH	Inches	5 mm	<b>20</b>	Measuring Tape
LENGTH	Feet	5 m	<b>5000</b>	High Speed Encoder
DENSITY	g/cm <sup>3</sup>	-	<b>0.91-0.92</b>	ASTM D-1505
MECHANICAL PROPERTIES	Units	Tolerance +/-	Specification	TESTING METHOD
TENSILE STRENGTH. MD	Mpa	10%	<b>25.6</b>	ASTM D 882
TD		10%	<b>19.6</b>	
BREAK ELONGATION MD	%	10%	<b>380</b>	
TD		10%	<b>530</b>	
DART DROP	g	10%	<b>70</b>	ASTM D 1709
PUNCTURE	N	10%	<b>17.0</b>	FPT-750
STRETCHING LEVEL	%	-	<b>320</b>	

The above mentioned data refer to standard tests carried out in our laboratory. They are to be considered as merely indicative, in order to simplify the choice and use of the relevant field of application, but are not given for guarantee purposes.

Powerpack reserves the right to modify these data if necessary, without prior notice.

Our products validity period is 1 year from production date. Any complaint(s) must notified 30 days from date goods receipt.

The tolerance for:

Film Net Weight = ± 3%

Paper Core Weight = ± 10%

### CONDITION OF TESTING

TEMPERATURE 26 +/- 2 °C  
RELATIVE HUMIDITY : 57 +/- 2%

Approved:

(Computer document, a signature is not required)