

General Purpose Vacuum Bag Film

For Low-Temp Cure Up to 120°C (248°F)

Product Numbers

PV-150-1.52, PV-150-3, PV-150-4, PV-150-6, PV-150-8, PV-150-10, PV-150-12, and PV-150-16

Description

Excellent for use in vacuum bagging, infusion and other types of processing for composite parts. It's a green, tough, puncture resistant co-extrusion of polyolefin and nylon based resins. Due to its structure, this product is less sensitive to deviations in humidity than other popular vacuum bag films. With a maximum use temperature of 248°F (120°C), this film is designed for composite processing at room or mildly elevated temperatures. The film's range is appropriate for building polyester, vinyl ester and epoxy composites from small-scale automotive parts to large-scale wind blades and yachts. Pre-production trials are recommended to confirm suitability of PRO-VAC Vacuum Consumables with your unique laminate schedules and processes.



Technical Data, PV-150-1.52 – PV-150-6

| Film Property | PV-150-1.52 | | PV-150-3 | | PV-150-4 | | PV-150-6 | | Test Standard |
|--------------------------------|------------------------------|----------|------------------------------|----------|------------------------------|----------|------------------------------|----------|---------------|
| Thickness | 75 µm +/- 10% | 2.95 mil | 75 µm +/- 10% | 2.95 mil | 75 µm +/- 10% | 2.95 mil | 75 µm +/- 10% | 2.95 mil | ISO 4593 |
| Width | 2 m | 6.5' | 3 m | 9.84' | 4 m | 13' | 6 m | 19.5' | |
| Length | 400 m | 1312' | 200 m | 656' | 200 m | 656' | 125m | 410' | |
| Elongation Strength, MD | 470% +/- 10% | | 470% +/- 10% | | 470% +/- 10% | | 470% +/- 10% | | ASTM D882 |
| Elongation Strength, TD | 500% +/- 10% | | 500% +/- 10% | | 500% +/- 10% | | 500% +/- 10% | | ASTM D882 |
| Tensile Strength, MD | 37 N/mm ² +/- 10% | | 37 N/mm ² +/- 10% | | 37 N/mm ² +/- 10% | | 37 N/mm ² +/- 10% | | ASTM D882 |
| Tensile Strength, TD | 33 N/mm ² +/- 10% | | 33 N/mm ² +/- 10% | | 33 N/mm ² +/- 10% | | 33 N/mm ² +/- 10% | | ASTM D882 |
| Tear Strength, MD | 1.3 N +/- 10% | | 1.3 N +/- 10% | | 1.3 N +/- 10% | | 1.3 N +/- 10% | | ASTM D882 |
| Tear Strength, TD | 1.5 N +/- 10% | | 1.5 N +/- 10% | | 1.5 N +/- 10% | | 1.5 N +/- 10% | | ASTM D882 |
| Max Use Temp | 120°C | 248°F | 120°C | 248°F | 120°C | 248°F | 120°C | 248°F | |
| Color | Light Green | | Light Green | | Light Green | | Light Green | | |



Technical Data, PV-150-8 – PV-150-16

| Film Property | PV-150-8 | | PV-150-10 | | PV-150-12 | | PV-150-16 | | Test Standard |
|--------------------------------|------------------|----------|------------------|----------|------------------|----------|------------------|----------|---------------|
| Thickness | 75 µm +/- 10% | 2.95 mil | 75 µm +/- 10% | 2.95 mil | 80 µm +/- 10% | 3.15 mil | 80 µm +/- 10% | 3.15 mil | ISO 4593 |
| Width | 8 m | 26' | 10 m | 33.80' | 12 m | 39' | 16 m | 52.5 | |
| Length | 80 m | 262' | 75 m | 246' | 30 m | 98' | 30 m | 98' | |
| Elongation Strength, MD | 470% +/- 10% | | 470% +/- 10% | | 470% +/- 10% | | 470% +/- 10% | | ASTM D882 |
| Elongation Strength, TD | 500% +/- 10% | | 500% +/- 10% | | 500% +/- 10% | | 500% +/- 10% | | ASTM D882 |
| Tensile Strength, MD | 37 N/mm2 +/- 10% | | 37 N/mm2 +/- 10% | | 37 N/mm2 +/- 10% | | 37 N/mm2 +/- 10% | | ASTM D882 |
| Tensile Strength, TD | 33 N/mm2 +/- 10% | | 33 N/mm2 +/- 10% | | 33 N/mm2 +/- 10% | | 33 N/mm2 +/- 10% | | ASTM D882 |
| Tear Strength, MD | 1.3 N +/- 10% | | 1.3 N +/- 10% | | 1.3 N +/- 10% | | 1.3 N +/- 10% | | ASTM D882 |
| Tear Strength, TD | 1.5 N +/- 10% | | 1.5 N +/- 10% | | 1.5 N +/- 10% | | 1.5 N +/- 10% | | ASTM D882 |
| Max Use Temp | 120°C | 248°F | 120°C | 248°F | 120°C | 248°F | 120°C | 248°F | |
| Color | Light Green | | Light Green | | Light Green | | Light Green | | |

Packaging and Storage

Store PV-150 in its original packaging. Standard packaging is a strong bubble wrap. This film contains a significant percentage of nylon which is hydrophobic. The film's characteristics may change depending on workshop and storage environment. The lower the humidity level, the stiffer the film will feel.

