PRO-VAC
VACUUM CONSUMABLES

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		

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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’	34 m	111.5’	
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.