

General Purpose Release Film

For Resin Infusion Processing

Product Numbers

PV-40-P3 and PV-40-P31

Description

For use in resin infusion processing of advanced composite structures. Compatible with a wide range of epoxy, polyester and vinyl ester resin system. P3 is perforated to for wet bagging and pre pregs. P31 is perforated for vacuum infusion. Both configurations of perforations are hot needed to ensure even resin saturation through the laminate. Available in 1.52 m x 500 m rolls. Pre-production trials are recommended to confirm suitability of PRO-VAC Vacuum Consumables with your unique laminate schedules and processes.



Technical Data

Film Property	PV-40-P3		PV-40-P31		Test Standard
Density	0.97 g/cm ³		0.97 g/cm ³		
Thickness	28 µm	1.10 mil	28 µm	1.10 mil	ISO 4593
Width	1.52 m	5'	1.52 m	5'	
Length	500 m	1640'	500 m	1640'	
Perforations	P3 (24 holes per cm ²)	P3 (.015" dia. holes/¼")	P31 (6 holes/cm ²)	P31 (.015" dia. holes/1")	
Tensile Strength MD	45 N/mm ² +/- 10%	6527 psi	45 N/mm ² +/- 10%	6527 psi	ASTM D882
Tensile Strength TD	35 N/mm ² +/- 10%		35 N/mm ² +/- 10%		ASTM D882
Elongation Strength MD	500% +/- 10%		500% +/- 10%		ASTM D882
Elongation Strength TD	800% +/- 10%		800% +/- 10%		ASTM D882
Maximum Use Temp*	125°C	257°F	125°C	257°F	ISO 306
Color	Sky blue		Sky blue		

*Maximum use temperature is process-specific; we recommend tests be performed on the peel ply prior to use at elevated temperatures.

Packaging and Storage

Film is packaged in strong bubble wrap. Store in original packaging.

