

Heat Seal

Coating Technologies



Heat Seal
Coating

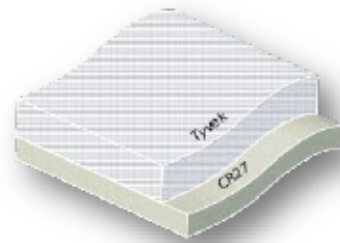
**Optimum seal strength, smooth clean opening.
Ensuring your product's packaging integrity.**

For over 40 years, Perfecseal® Heat Seal Coatings (HSC) have set the industry standard for high quality sterile packaging materials.

We continue to enhance performance with regard to sealability, breathability and peelability.

CR27™ Heat Seal Coating for sterile packaging is trusted by the majority of the top 30 medical device manufacturers.

Nelipak Healthcare Packaging CR27™ Top Web Coating



Air Knife Coating Process

Our air knife asset operates as one of the most advanced coaters in the healthcare industry:

- » Proprietary water-based coatings
- » Coatings are applied to ensure uniform coverage of variable substrates
- » Non-contact flotation dryers
- » High speed double sided automated vision inspection

Suitable for a wide range of applications:

- » Dupont™ Tyvek®
- » Coated Reinforced Kraft Paper
- » Coated Medical Kraft Paper
- » Lidding
- » Bags
- » Pouches

PERFECSEAL® COATED TYVEK® PRODUCT MIX

Perfecseal® Heat Seal Coating	Tyvek Grade	Primary Feature
CR27	1073B	Benchmark industry coating designed for universal medical sterile barrier applications.
	1059	
	2FS	
HCW27	1073B	Heavy coat weight further improves sealing to counteract variations in manufacturing processes.
	2FS	
SBP2000	1073B	High performance coating engineered to eliminate EtO seal creep.
	1059	
	2FS	
Perfecorb	1059	Designed predominately for desiccant packaging.
	1025	

Perfecseal® Heat Seal Coating	Tyvek Grade	Weight - gms		Sterilisation Method					
		Tyvek Weight	Coat Weight	EtO	Gamma	E-Beam	Steam	Dry Heat	Chemical
CR27	1073B	75.0	11.5	•	•	•			•
	1059	64.4	11.5	•	•	•			•
	2FS	56.0	11.5	•	•	•			•
HCW27	1073B	75.0	13.2	•	•	•			•
	2FS	56.0	13.2	•	•	•			•
SBP2000	1073B	75.0	11.0	•	•	•			•
	1059	64.4	11.0	•	•	•			•
	2FS	56.0	11.0	•	•	•			•
Perfecorb	1059	64.4	9.7	•	•	•			•
	1025	42.5	9.7	•	•	•			•

PERFECSEAL® COATED TYVEK® PRODUCT MIX

E: Excellent V: Very Good G: Good

Perfecseal® Heat Seal Coating	Tyvek Grade	Resistance					Features			
		Puncture	Steriliser Creep	Cold Flex	Cling	Hot Tack	Fibre Free Peel	Microbial Barrier	In-line Printability	Average Porosity
CR27	1073B	E	V	V	E	V	E	V	G	250
	1059	E	V	V	E	V	E	V	G	250
	2FS	V	V	V	E	V	E	V	V	250
HCW27	1073B	E	V	V	E	V	E	V	G	140
	2FS	V	V	V	E	V	E	V	V	140
SBP2000	1073B	E	E	V	E	V	E	V	G	400
	1059	E	E	V	E	V	E	V	G	400
	2FS	E	E	V	E	V	E	V	V	400
Perfecisorb	1059	E	V	V	E	V	V	V	G	320
	1025	V	V	V	E	V	V	V	G	320

Perfecseal® Heat Seal Coating	Tyvek Grade	Seals To						Application			
		PETG	PVC	HIPS	PP	E/S/E	PE	Pouch	Bag	Form Fill Seal	Die Cut Lid
CR27	1073B
	1059
	2FS
HCW27	1073B
	2FS
SBP2000	1073B
	1059
	2FS
Perfecisorb	1059	
	1025	

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Nelipak® is certified to ISO 13485 and works in accordance with GMP directives. Validation services according ISO 11607. Nelipak® Healthcare Packaging is a trade name of Nelipak Corporation