Your Partner of Choice for Best-in-Class Injectable Solutions

## Pure state-of-the-art rubber formulations and full range of proven component designs



**Pre-Filled Syringes** Complete solutions for Pre-Filled Syringe & Auto-injector developments



**PremiumCoat®** Our ETFE film coated component platform for your sensitive drug developments



Vial Containment Extensive range of solutions for liquid, powder and lyophilized applications

## Specialized finishing and packaging to meet increasing regulatory requirements, achieve high quality and optimize your operations

**PremiumFill®** 

Enhanced quality and particulate cleanliness

Ready-to-Use

Guaranteed sterility at the point of use



Standard Portfolio offer	Component	Design		Formulation	Ready-to- Sterilize	Ready- to-Use	PremiumFill <sup>®</sup> Process
PremiumCoat <sup>®</sup> Protects your drug and your patients	Syringe plungers Vial stoppers	1mlL C1878			~	$\checkmark$	
		1-3mL	C1998	Bromobutyl	~	$\checkmark$	PremiumCoat*
		13mm	C1886 + ETFE Film	$\checkmark$	$\checkmark$	specific process	
		20mm	C1841		$\checkmark$	$\checkmark$	
	Syringe plungers	0,5mL	C1438	Bromobutyl	~	$\checkmark$	$\checkmark$
				Chlorobutyl	~	$\checkmark$	~
<b>Pre-Filled</b> <b>Syringes</b> Complete solutions for PFS & Auto-injector developments				Chlorobutyl black	~	$\checkmark$	
		1mlL	C2574	Bromobutyl	$\checkmark$	$\checkmark$	$\checkmark$
				Chlorobutyl	~	$\checkmark$	$\checkmark$
				Chlorobutyl black	$\checkmark$	$\checkmark$	
		1-3mL	C2575	Bromobutyl	~	$\checkmark$	$\checkmark$
				Chlorobutyl	$\checkmark$	$\checkmark$	~
				Chlorobutyl black	$\checkmark$	$\checkmark$	
		5mL	Flat C2573		$\checkmark$	$\checkmark$	
		5mL	Cone C3573	Bromobutyl	$\checkmark$	$\checkmark$	
		10mL	C3720		$\checkmark$	$\checkmark$	
	Cartridge	3mL	C1709		$\checkmark$	$\checkmark$	
	plungers	1,5mL	C1386	Bromobutyl (for dental)	$\checkmark$		
	Rigid Needle Shields		P0037	Polyisoprene	$\checkmark$		
		1/2"	P037Q	Styrene Butadiene	$\checkmark$		
			P037T	Thermoplastic Elastomer	~		
		5/8"	P0038	Polyisoprene	~		
		1"	P0046		~		
	Rigid Needle Shields for Auto-injectors Needle Shields	8mm	P235Q	Styrene Butadiene	~		
		1/2"	P0237	Polyisoprene	~		
		1 (01)	P237T	Thermoplastic Elastomer	~		
		1/2"	C2583	Polyisoprene	~		
	Tip caps	5/8"	C0038 C1383		· · ·		
		Mushroom Ribbed	C1385	Bromobutyl + Polyisoprene	· · ·		
		LLA			~		
		PRTC-like insert	C2794 C1914		~		
		PRIC-like linsert	01914	Chlorobutul		~	
Vial containment Extensive range	Liquid/powder stoppers	13mm	EBB C5422 NBB C1522 EBB C5474	Chlorobutyl Bromobutyl	~	~	~
				Chlorobutyl	~	~	~
				Bromobutyl	~	~	
				Chlorobutyl	~	~	~
		20mm		Bromobutyl	~	~	~
			NBB C5394	Chlorobutyl	~	~	~
				Bromobutyl	~	~	~
		32mm	Din C5912	Bromobutyl	~	~	·
			DITCJØIZ	Chlorobutyl	~	~	~
for all your drug applications			Standard C5594	Bromobutyl	~	~	×
	Lyophilization stoppers	13mm	Igloo+notch C5746		~	~	~
			2 legged C1621	Bromobutyl	~	~	v
		20mm	2 legged C5919		~	~	
			Igloo + notch C5404		~	~	~
			Igloo C6558		~	~	v
		32mm	2 legged C1504		~	~	
		02.11.11					

Packaging								
Ready-to	-Sterilize	Ready-to-Use						
Rapid Transfer Tyvek <sup>®</sup> Portbag	PE or Tyvek® bags	Rapid Transfer PE Portbag	PE Bags					

NBB: Non Blowback EBB: European Blowback Bromobutyl: Grey Bromobutyl (6720GC) Bromobutyl (for dental): Grey Bromobutyl (6735GS) Chlorobutyl: Grey Chlorobutyl (6422GS) PE: Polyethylene



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Shaping the future of injectables, together.