



ViviOn™

Cyclic Block Copolymers(CBC)

ViviOn™ is a regulatory certified material. Dry blending ViviOn™ to PE/PP could increase film stiffness, enable downgauging, decrease tear strength and create easy tear performance. Applications include: easy tear film, collation shrink film, medical packaging and food packaging.



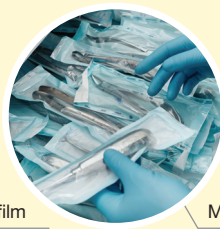
Regulations/Test	Test Details	Result
FCN	US FDA Food Contact Notification for Food Contact Products	No. 2087
China Food Safety Standard GB	<ul style="list-style-type: none"> GB4806.6-2016 (Plastic Resins) Residual monomer content of Styrene & Butadiene. 	Positive List /Passed
Commission Regulation (EU) No. 10/2011	Commission Regulation (EU) No. 10/2011 for Plastic Materials <ul style="list-style-type: none"> Overall/Specific Migration Test Test Condition: 40°C, 10 days Test solution: 10% Ethanol / 20% Ethanol / 50% Ethanol / 3% Acetic acid 	Positive List /Passed



Easy tear film



Collation shrink film

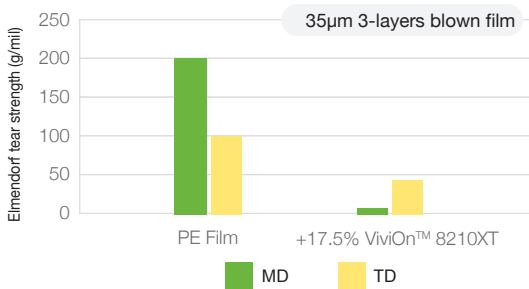


Medical Packaging

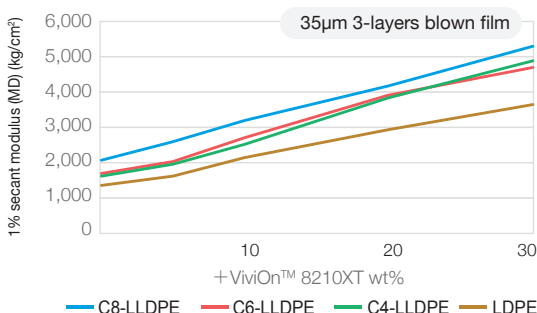


Food Packaging

Decrease Tear Strength



Strengthen Stiffness



ViviOn™ Properties

Properties	Unit	Test Method	ViviOn™ 8210XT
General Properties			
Density	g/cm³	D792	0.94
Water Uptake	%	D570	<0.01
Melt Flow Rate (2.16kg, 190°C)	g/10min	D1238	1.5
Melt Flow Rate (2.16kg, 230°C)	g/10min	D1238	35
Thermal Properties			
Glass Transition Temperature	°C	D1525	115
Vicat Softening Temperature	°C	D1525	109
Mechanical Properties			
Flexural Modulus	GPa	D790	2.1