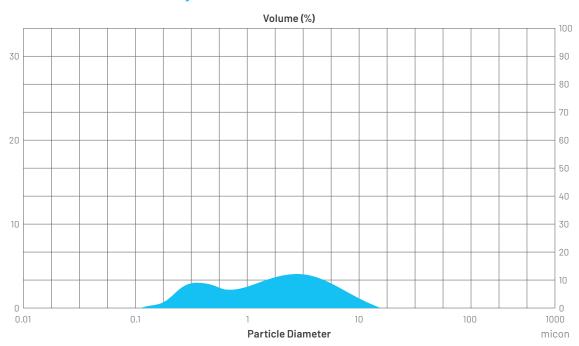


Oysterlean is a non-hazardous bio-renewable substitute to non-renewable plastics resins suitable for plastics packaging products.

Typical Physical Data		Method	
Appearance	White plastic granules	QВ	
Relative density:	1.8 g/cm ³		
Water Absorption	0.01 - 0.05 %	QВ	
Melt Flow Rate	11.028 g/10min	ASTM D1238	
Tensile Strength*	≥ 11 32.3/23.8 Mpa	GB/T 4456	
Elongation*	≥ 100 356/490 %	GB/T 4456	
Bio-concentration	> 76 %	ASTM D6866	
Melting Temperature	125 — 130 °C		
Process Temperature	170 — 230 °C (max 280 °C)		
Typical mix ratio	10 - 50 %		
PH level	Neutral		

^{*} at 50% mixing ratio

Particle Distribution of Oysterlean Powder





FDA Food Contact Article Test

Oysterlean complies with the FDA Code of Federal Regulation, Title 21, section 21CFR 177.1520 and section 21CFR 175.300, when used with suitable polymers and other additives.

Test method with reference to 21 CFR 175.300 Pellets Oysterlean

Test Item	Unit	Limit	Test Result	Conclusion
Total extractable fraction in DI water at 120°F for 24 hours	mg/in2	0.5	<0.1	Pass
Total extractable fraction in n-heptane at 70°F for 30min	mg/in2	0.5	0.2	Pass
Total extractable fraction in 8% Ethanol at 120°F for 24 hours	mg/in2	0.5	<0.1	Pass

Test method with reference to 21 CFR 177.1520 Film Oysterlean (30%) and PE (70%)

Test Item	Unit	Limit	Test Result	Conclusion
Extractable n-hexane	%	2.60	1.8	Pass
Extractable dimethylbenzene	%	11.30	2.2	Pass

Allergen Test

Oysterlean is a product free of allergens and does not consist of, nor contain, nor is produced from raw materials or processing aids comprised of or containing allergens. This statement complies with the description of allergens in the given regulations below and based on an allergen test ELISA.

- U.S. allergen statement as defined by the 'Food Allergen Labelling and Consumer Protection Act of 2004
- EU allergen regulation reference concerning allergen labelling as to European Directives 2003/89/EC, 2006/142/EC
- EU regulation 1169/2011 (valid from December 13, 2014)
- Canada allergen regulation reference "Food and Drug Regulations" (1220 - Enhanced Labelling for Food Allergen and Gluten Sources and Added Sulphites). B.01.010.1.

Bio-based Test

Oysterlean contains a biorenewable material in a concentration of >76% and is tested in accordance to ASTM D6866. ASTM D6866 is a test verifying that a material is bio-based and contains so called "modern carbon" (C14) which is absorbed by all living organisms (plants and animals).

REACH

Relevant substances of Oysterlean are registered and in compliance with REACH.



About us

Caps & Closures Pty Ltd is a leading Australian manufacturer of the most comprehensive range of standard and custom designed caps and closures. As well as providing injection moulding services and custom built dies, we are a 'best practice' organisation with a culture of innovative solutions and excellent service to open your opportunities.

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