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KAFRIT® ECOMP 142	3XBDP400S570
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Bio-degradable Compound

Issue:	08/04/2013
Revised:	02/02/2017

1. Product Description

KAFRIT® ECOMP 142 compound is a PLA & PHA blend with the addition of plasticizers and antioxidants. This unique combination results in a compound that can be easily processed on conventional film extrusion equipment, with only minor process parameter changes, namely reduced temperature and controlled screw speed.

KAFRIT® ECOMP 142 biodegradation process occurs in compost, but depends on the specific environments (climate, compost quality and population of micro-organisms).

2. Physical Properties

KAFRIT® ECOMP 142

PROPERTY	VALUE	UNIT	NORM
Colour	Natural	visual	
Carrier	BDP		
Compatibility	BIO Polymers		
Density	1.40	g/cm ³	KTM
Heat Stability	180	°C	KTM
MVR, 190°C/2.16Kg	3	g/10min	ASTM D1238

Test results are performed according to Kafrit Test Method (KTM) based on International Standards.

3. Application

KAFRIT® ECOMP 142 typical Let Down: 100%

For each application the exact dosing has to be empirically determined.

KAFRIT® ECOMP 142

No incompatibility with other polymer additives is known.



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4. Approvals

KAFRIT® ECOMP 142 is not suitable for food packaging

KAFRIT® ECOMP 142 REACH Status:

All used ingredients are registered / pre-registered or exempted from registration.
Contain HCBDD, HBCDD, Lead Chromate, included in the candidate list under article 59(1.10) of the REACH regulation EC1907/2006 (known as SVHC).

KAFRIT® ECOMP 142 complies with the following regulations:

EN71-3 & 9, Heavy metal content Cd+Pb+Hg+Cr (VI) <100ppm
2002/95/EC RoHS 1, 2011/65/EU - RoHS 2

KAFRIT® ECOMP 142 complies with the EN 13432 regulation:

Fulfill the evaluation criteria for material characteristics, biodegradation, disintegration and compost quality, which are outlined in CEN norm EN 13432 (2000) Requirements for packaging recoverable through composting and biodegradation- Test scheme and evaluation criteria for the final acceptance of packaging, ASTM D 6400-12 Standard Specification for Labeling of Plastics Designed to Aerobically Composted in Municipal or Industrial Facilities and ISO 17088 (2012) Specifications for compostable plastics.

KAFRIT® ECOMP 142 does not contain the following:

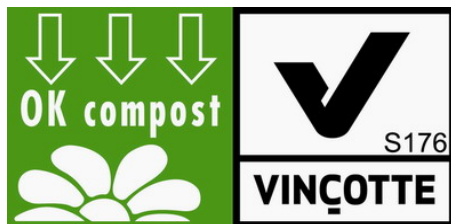
PAH-s (Poly Aromatic Hydrocarbons)
HM-s (Heavy Metals, include Cd, Pb, Hg, Cr+6, Ni, As and others)
Nonylphenols
Bis-Phenol A
Phthalates, DEHP
PBB and PBDE
Diarylides, Azodyes, epoxy & PFOS
AzoDicarbonamide (ADCA)
Di Butyl Phosphate (DBP)
Additives from animal origin.

For detailed information please contact your local sales representative.

5. Storage & Handling

Pre-drying of **KAFRIT® ECOMP 142** may be required. Avoid overheating.

KAFRIT® ECOMP 142 expected shelf life is 1 years if stored properly in original packaging under cool dry conditions away from heat and direct sunlight.



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