



ecopixel
COLORS

2024

WET/ecopixel

100% made in Italy production © 2024

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PROFILE

ECOPIXEL is made up of professionals with 20 years of experience in the plastic industry and more than 5 years of research and development in the recycled plastic field.

ECOPIXEL Developed by
Claudio Milioto and
Jan Puylaert
100% made in Italy
production. © 2021

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Images below:
Jan Puylaert, ecopixel's
creative director / holding
DELTA 50 planter

Mariandrea Zambrano,
ecopixel's head of sustain-
ability / SWAB Barcelona

Claudio Milioto, production
manager / with Arch. Alessn-
dro Mendini

ECOPIXEL is a manufacturing company that recycles mono-polymer plastic typology, made from 100% shredded waste material. The material is usually made with industrial thermoplastic waste but more and more also with collected material from any other field including household-waste.

Recycling a mono-polymer means the material can be melted and re-melted an infinite number of times resulting in a forever circular material and creating this way a true “cycle” in material-use. As long as a material stays “clean” (read mono-polymer) it can be transformed at the exact temperature of the polymer involved and so, the material will never “burn” and deteriorate. Keeping polymers separate is thinking also about what happens after the recycled cycle. With ECOPIXEL, after you, someone else will be able to recycle what you have recycled, so never again new extraction of raw materials will be needed.

ECOPIXEL wants to promote the idea of NEVER mixing different plastic-waste-materials so to keep the plastics “clean” and ready for reuse also after each product-lifecycle. Apart from producing products in ECOPIXEL for other companies, ECOPIXEL also exists as a design-label that promotes their own designs.

ECOPIXEL has achieved the level of know-how & reliability needed to be accepted by the New Plastic Global Commitment / Ellen MacArthur Foundation.



RECYCLED & RECYCLABLE

ECOPIXEL COLLECTS, SEPARATES, CHIPS INTO PIECES AND RETRANSFORMS INTO PRODUCTS, WHAT OTHERS THROW AWAY.



CIRCULARITY

ECOPIXEL is an Italian manufacturing company that recycles thermoplastic waste-material in order to obtain a recycled (1) and recyclable (2) material creating this way a true *cycle in material-use

A NEW RECYCLED MATERIAL
THAT IS SUSTAINABLE

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Materials

ECOPIXEL is a recycled thermoplastic monopolymer material. (1) 3D moulded products (2) SHEET tiles of various size thickness (3) Injected products. ECOPIXEL comes in a range of multi color & pixelated effects (except for the injected version). Following availability of waste materials it offers different possibilities.

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Wide range of Colors

From the world of “COLOR WASTE” we create melanges everyday however we depend on an unpredictable supply chain called “TRASH” ECOPIXEL appears in different faces, even though available in unlimited combinations, is easily recognizable. Each product that is made of ECOPIXEL is unique because the pixels melt together randomly in the production process: By coincidence, the colors don’t mix.

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Effects & Finishings

Research and tests allow us to offer different effects of different surface finishing procedures on the change in surface roughness and visual textures: TRASHPLAST, PERT, TAPS, REVERSE, BLACK IS THE NEW BLACK, among others.

Data Sheet

The following document declares the origin and technical description of the material that ecopixel uses as a producer of durable goods.

ECOPIXEL is a mono-polymer recycled/regenerated thermoplastic. Derived from pre-consumer waste material. It comes in 3D moulded/shaped products (which request specific tooling) and/or sheets of various thickness and size. ECOPIXEL is a 100% Italian Production. ECOPIXEL comes in a range of colors and pixelated effects. Following availability of wastematerials in both color and typology. Due to specific production technique ECOPIXEL appears to be pixelated. Sometimes, in certain areas, due to material qualities and mixture of different atches of waste-streams colorwaves may exist.

ASTM or UL test	Property	ECOPIXEL standard PELD
Standard Ecopixel	mono-polymer material	PELD4
D792	Density	0,033 lb/in3
D570	Density	0,92 kg-m3
D785	Water Absorption 24 hrs	< 0,01 %
D648	Hardness, shore D	D 45 / 55
D3418	Max Operating Temp	71°C / 160°F
D1238	Melting Temperature	118°C / 244°F
MFI 190/2,16kg	LDPE regenerated neutral	1,8 - 2,4 *
UL94	Flammability **	HB
ECOPIXEL 3D moulded	Standard thickness	3 - 8 mm irregular ***
ECOPIXEL sheet	Sheet thickness	10 - 12 - 15 mm
ECOPIXEL injection	Structural qualities	For any structural qualities please refer to PELD4 material
ECOPIXEL	Size tollerance	maximum 3% between colorbatch & temperature (-5°C to +35°C)
ECOPIXEL	Straightness tollerance	Depending on design max 15/1000

* The obtained granule complies with the regulations UNI 10667

** Fire proof coating is possible under request

*** Follows the external mouldshape



ECOPIXEL STANDARD COLORS





eco-000 ALABASTER

ECO*** 



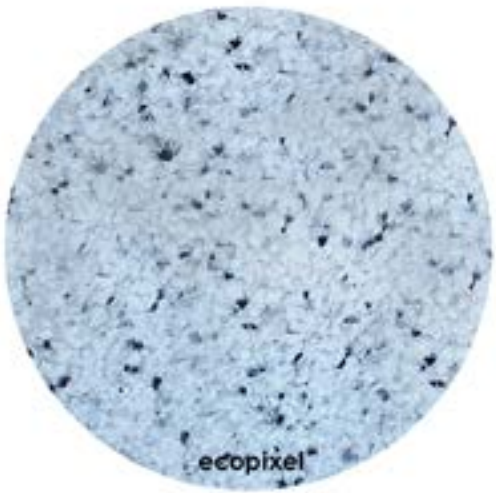
eco-001 PURE WHITE

ECO***



eco-010

ECO*** 



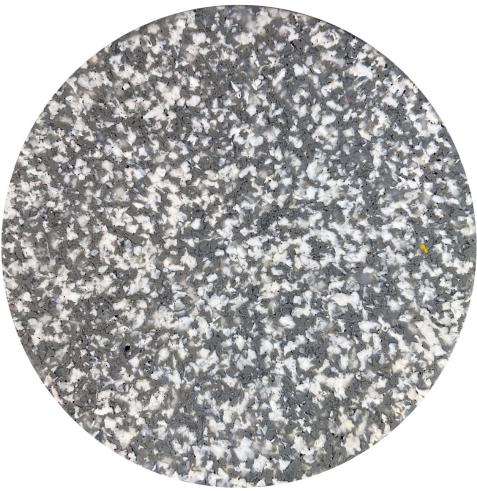
eco-012

ECO***



eco-066 TERRA LIGHT

ECO***



eco-100 GREY TERRAZZO

ECO***



eco-051 BATMAN
BLACK IS THE NEW BLACK

ECO***



eeco-052 Blue de Gascogne
BLACK IS THE NEW BLACK

ECO***



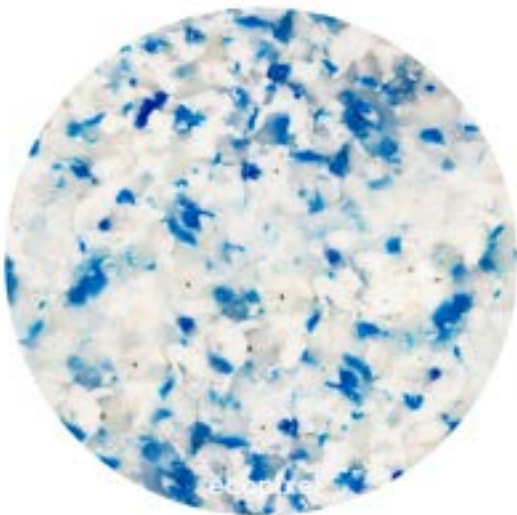
eco-013

ECO***



eco-000k BLACK REGENERATED

ECO***



eco-040

ECO***



eco-092

ECO***



eeco-017 RO
BLACK IS THE NEW BLACK

ECO***



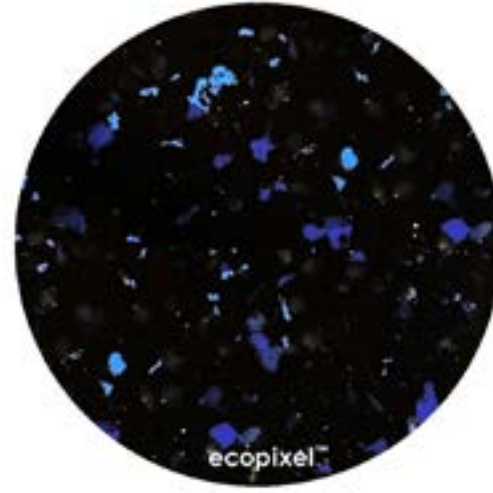
eeco-031 GALAXY
BLACK IS THE NEW BLACK

ECO***



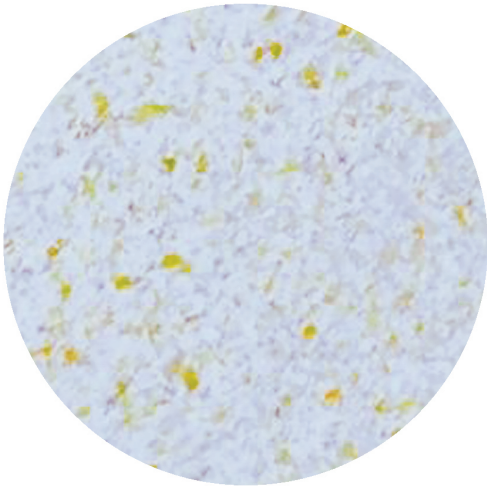
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ECO***



eeco-082

ECO***



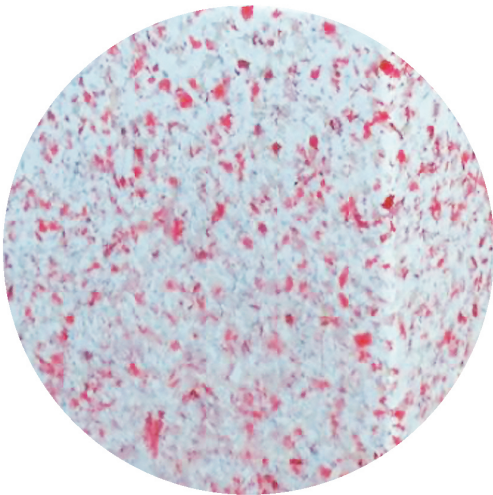
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ECO***



eco-094

ECO***



eco-015

ECO***



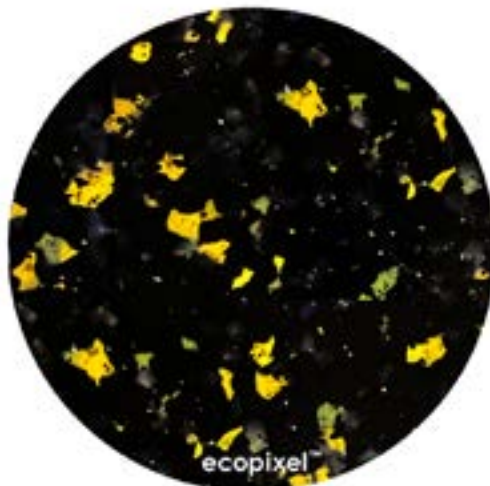
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ECO***



eeco-021

ECO***



eeco-084

ECO***



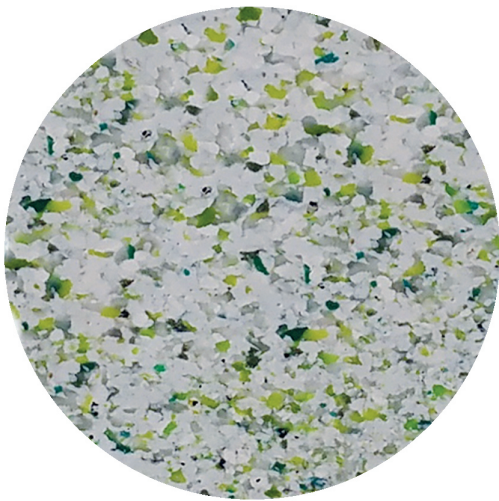
eco-009

ECO***



eeco-083

ECO***



eco-038

ECO***



eco-095

ECO***



eco-016 W

ECO***

TAPS W



eco-016 N

ECO***

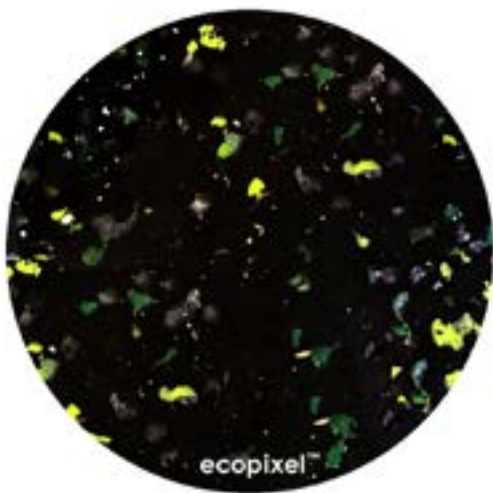


TAPS N



eeco-028

ECO***



eeco-085

ECO***



eco-069

ECO***

TRASH

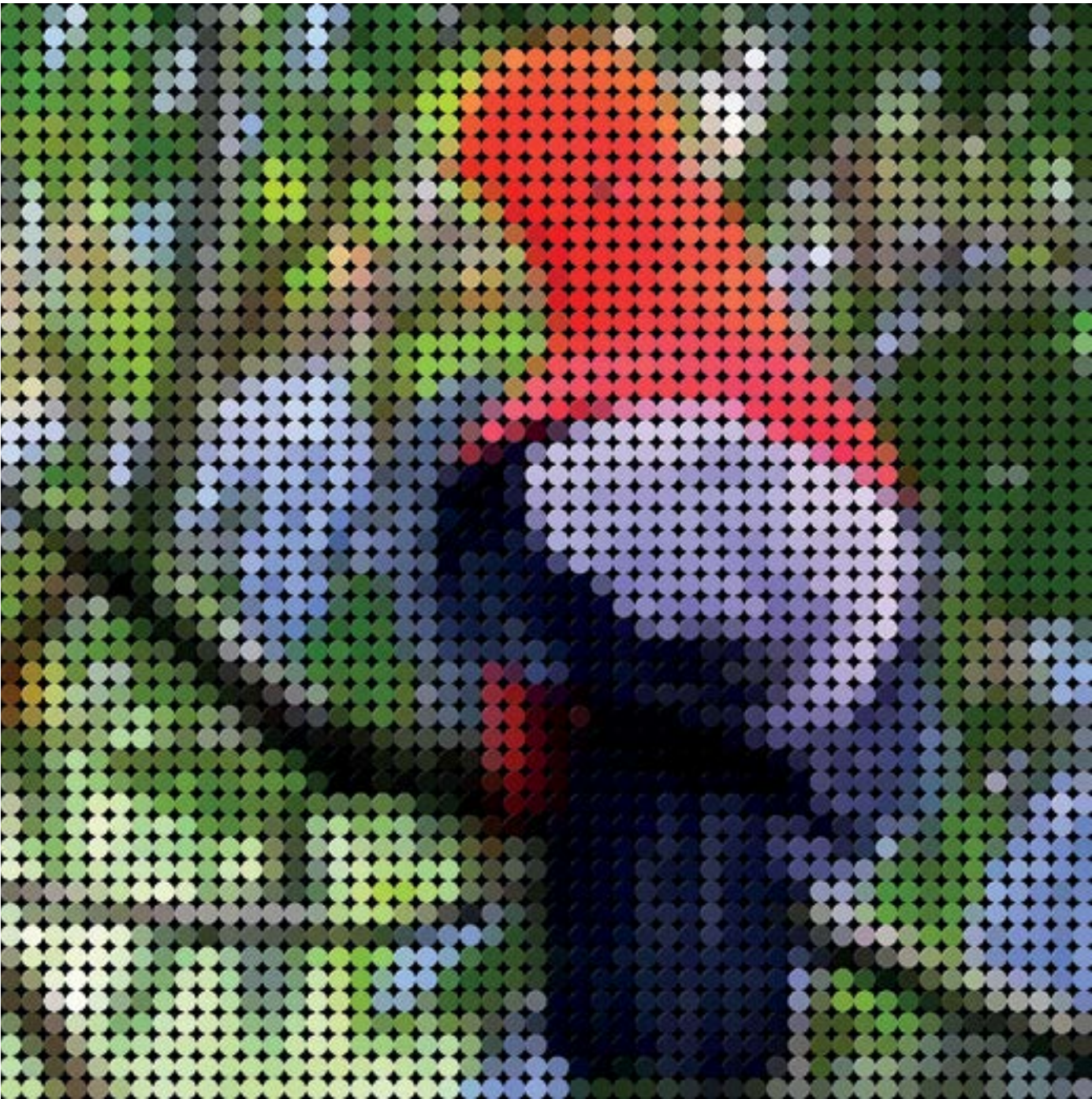


eeco-016K

ECO***

TAPS BLACK

“encanto”



ecopixel™

COLOR PALETTE 2024

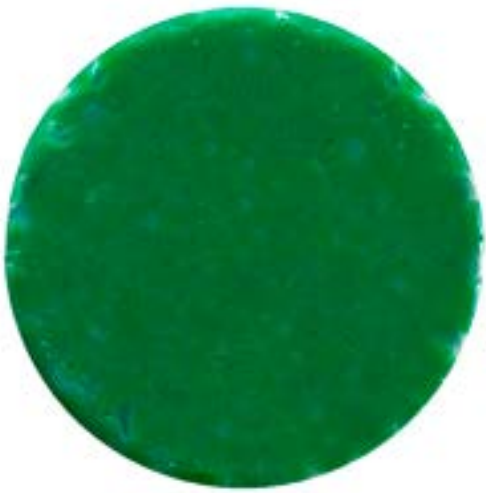
To meet the rest part of ENCANTO pallet link to:

[HTTP://WWW.ECPIXEL.EU/ECOPIXEL-2022-MATERIAL.PDF](http://www.ecopixel.eu/ecopixel-2022-material.pdf)

ECO ***
100% recycled / 100% recycable

POLYETHYLENE

WATER PROOF * under request
any color can be water-proof



eco-202e FOREST GREEN

ECO***



eco-204e KEY LIME

ECO***



eco-201e MIDNIGHT BLUE

ECO***




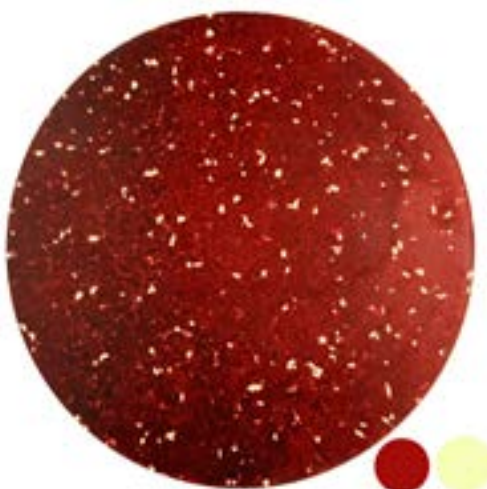
eco-203e LILLA


ECO***

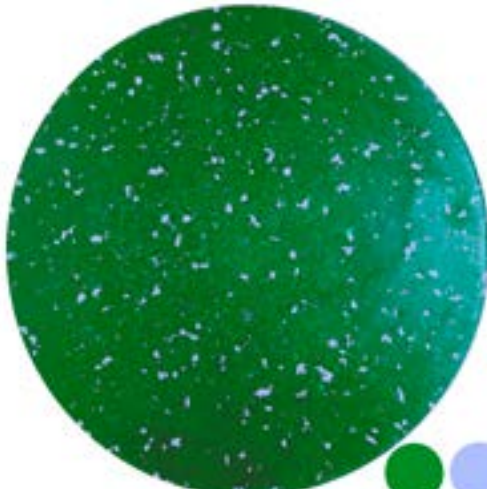





eco-206e WINE
ECO*** 



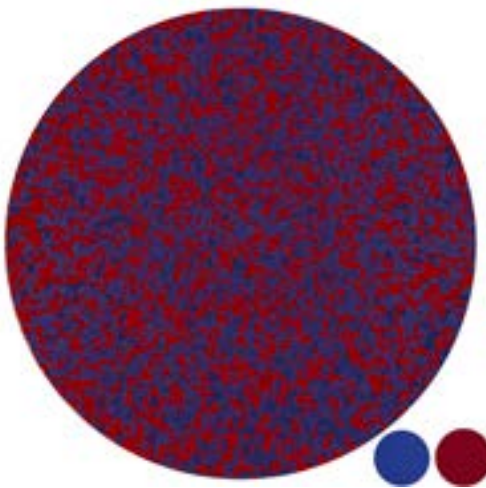
eco-250e BRANDY
ECO*** 



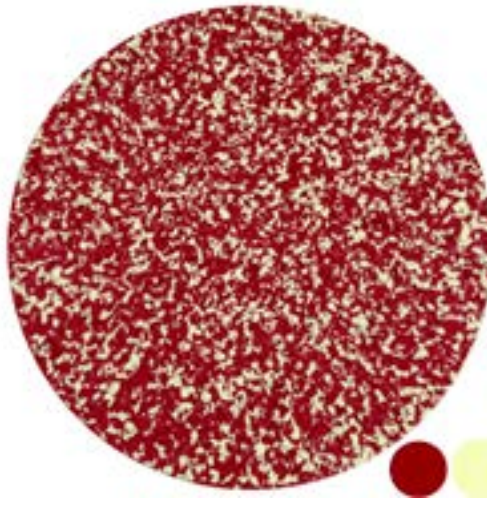
eco-217e SILVER TEAL
ECO*** 




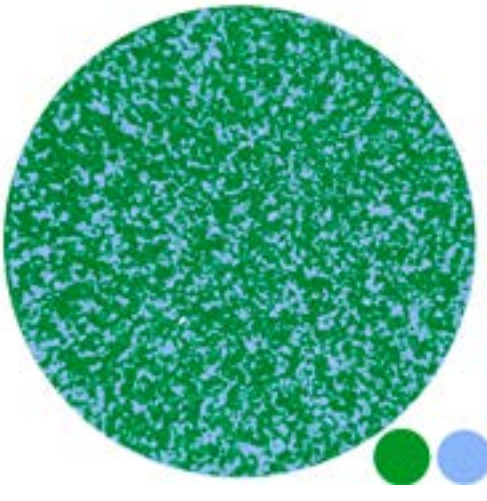
eco-247e TWILIGHT LAVANDER
ECO*** 



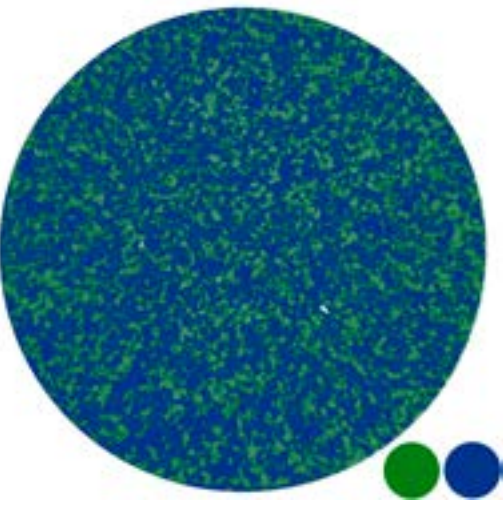
eco-243e TYRIAN PURPLE
ECO*** 




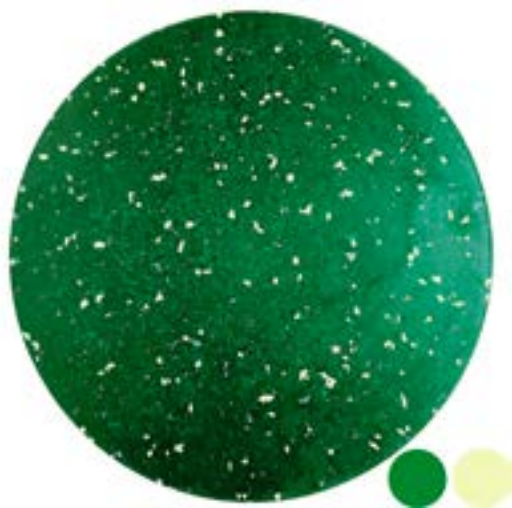
eco-240e
ECO*** 




eco-216e EMERALD
ECO*** 



eco-207e EAGLE GREEN
ECO*** 



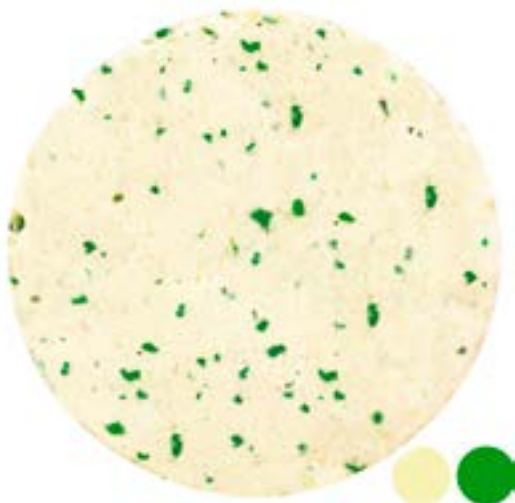
eco-220e MAY GREEN

ECO***  LDPE




eco-214e MIDNIGHT NAVY

ECO***  LDPE



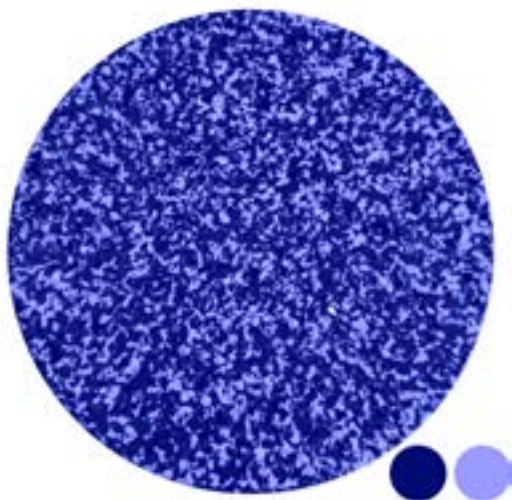
eco-221e PISTACHIO

ECO***  LDPE



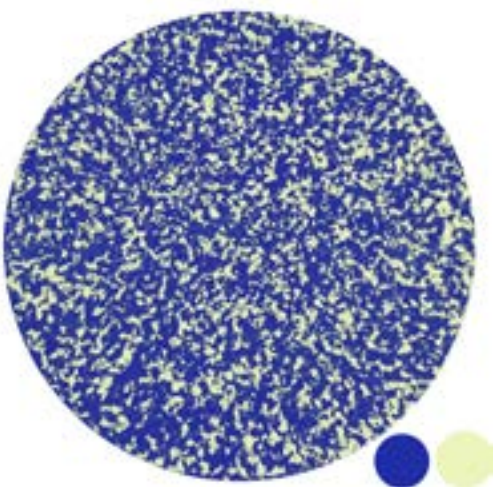
eco-230e BLUE YONDER

ECO***  LDPE




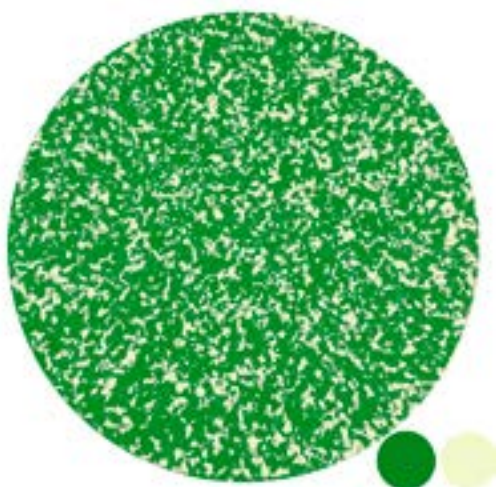
eco-210e LIBERTY

ECO***  LDPE



eco-213e SLATE BLUE

ECO***  LDPE




eco-219e KIWI

ECO***  LDPE



eco-228e SILVER SAND

ECO***  LDPE