

# ECOLSPORT®



## PRODUCT TECHNICAL DATA SHEET

### ECOLMIX®



*The EU pioneer supplier of Rubber Granules Infill since 1990*

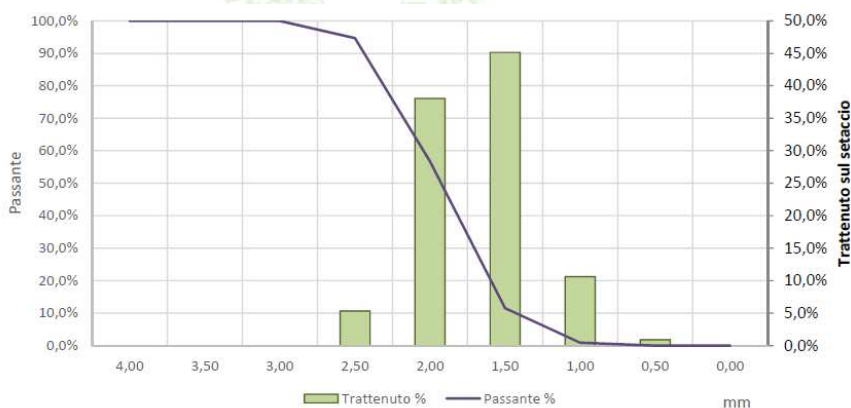
|                                 |                                      |
|---------------------------------|--------------------------------------|
| <b>COMMERCIAL NAME:</b>         | <b>ECOLMIX</b>                       |
| <b>SIZE:</b>                    | 0.8-2.5 mm                           |
| <b>ID CORE RUBBER GRANULES:</b> | <u>RUBBER SECONDARY RAW MATERIAL</u> |
| <b>SURFACE:</b>                 | COATED                               |
| <b>COLOR:</b>                   | MIX GREEN                            |



## PHYSICAL PROPERTIES

|                                    |                       |   |   |           |
|------------------------------------|-----------------------|---|---|-----------|
| Rubber Material                    |                       | SBR1502   |   |           |
| Transport Bulk Density             |                       | 0,53 (+/- 0,3)  |   |           |
| Uncompacted Bulk Density           |                       | 0,45 (+/- 5%)   |   |           |
| Absolut Density                    |                       | 1,13 (+/- 5%)   |   |           |
| Type                               |                       | 100% Vulcanized Rubber from pre-consumer material             |   |           |
| Hardness                           |                       | 60<>64 shore A  |   |           |
| Moistness                          |                       | 0,5%  |   |           |
| No Rubber Particles                |                       | 0,001 % in weight   |   |           |
| Dimensional                        | Lab Equipment         | RETSCH EasySieve AS200    Screens: Test Sieve ISO3310-1       |   |           |
|                                    | Granulometry          | Nominal size 0.8 mm to 2.5 mm                                 |   |           |
|                                    | Testing               | Periodic granulometric analysis according to EN933-1 standard |   |           |
| Color wear resistance              | Lab Lisport Equipment | 10000 cycles  | Up to 3000 hours played (3/5 years) *   | 95%       |
|                                    |                       | 12500 cycles  | Up to 4000 hours played (5/7 years) *   | 90%       |
|                                    |                       | 15000 cycles  | Up to 5000 hours played (7/9 years) *   | 87%       |
|                                    |                       | 20200 cycles  | Up to 7000 hours played (10/12 years) * | 85%       |
| UVA UVB Stability                  |                       | Good  |   |           |
| Quantity Recommended x sqm (kg/mq) |                       | Pile h=40   | Pile h=50                               | Pile h=60 |
|                                    |                       | >6  | >8                                      | >11       |

\* this information made from many years of experience in supply coated rubber granules for artificial grass, with right construction system of the sport field. (spheroidal silica sand, good artificial grass, right quantity infill, periodic maintenance)



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## Origin

The granule used for the production of this type of infill is **NOT** from grinding used tires. There is no presence of black smoke that will determine the graying of game balls even if coated.



## Eco-friendly

The material with which this product is made, comes from a selection of fine vulcanized elastomers free of **Aromatic Polycyclic Hydrocarbons** as required by current environmental and safety regulations.

## Climate variations

The variation of the external temperature does not compromise the elasticity of the granule with respect to what occurs for the loaded thermoplastics which stiffen at low temperatures and soften at high temperatures.



## Odor

The product does not emit any odor. The variation of the temperature for other types of infill compromises the release of aromas which are sometimes nauseating.

## Release of colorants

The product is coated with a particular technique in which the coloring pigment is dispersed inside the capsule. Clear rainwater is essential for the care of the environment!



**NO PAINT**



## Maintenance

The product needs low maintenance and no irrigation compared to organic and mix infill. The investment in maintenance of a soccer field with organic infill equates after 5 years to double the cost of the field!

## Recyclability

The product is 100% recyclable by our own company which, with obvious processing in ordinary authorization, will once again transform the granule at the end of its life into a new secondary raw material, regenerating it for new synthetic football fields.



### GUIDE TO CHOOSING THE INFILL

| INFILL TYPE         | EASY INFILLING | COLOR    | ODOR | SUSTAINABLE | WEATHER CONDITIONS | MAINTENANCE | RICYCLABILITY | COST |
|---------------------|----------------|----------|------|-------------|--------------------|-------------|---------------|------|
| EPDM                |                |          |      |             |                    |             |               |      |
| RICYCLED ELT        |                |          |      |             |                    |             |               |      |
| RICYCLED NO ELT     |                |          |      |             |                    |             |               |      |
| THERMOPLASTIC       |                |          |      |             |                    |             |               |      |
| ORGANIC             |                |          |      |             |                    |             |               |      |
| ORGANIC/ELASTOMERIC |                |          |      |             |                    |             |               |      |
| GREAT               | ENOUGH         | VERY BAD |      |             |                    |             |               |      |