



PRODUCT TECHNICAL DATA SHEET

Refill brown ®



The EU pioneer supplier of Rubber Granules Infill since 1990

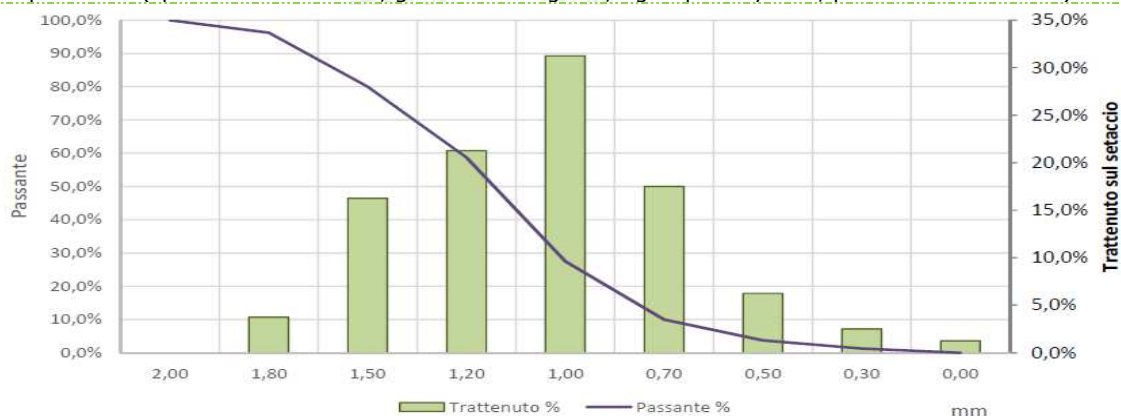
COMMERCIAL NAME:	REFILL BROWN
SIZE:	0.8-1.5 mm
ID CORE RUBBER GRANULES:	<u>RUBBER SECONDARY RAW MATERIAL</u>
SURFACE:	COATED
COLOR:	BROWN



PHYSICAL PROPERTIES

Rubber Material		SBR/NBR		
Transport Bulk Density		0,57 (+/-0,3)		
Uncompacted Bulk Density		0,51 (+/- 5%)		
Absolut Density		1,17 (+/- 5%)		
Type		100% Vulcanized Rubber from Pre-consumer material		
Hardness		58<>62 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 1.5 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) *	91%
		15000 cycles	Up to 5000 hours played (7/9 years) *	89%
		20200 cycles	Up to 7000 hours played (10/12 years) *	86%
UVA UVB Stability		Good		
Quantity Recommended x sqm (kg/mq)		Pile h=40	Pile h=50	Pile h=60
		>7	>9	>12

* 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						