



Rubber Flooring

CRUMB RUBBER GRANULES

PRODUCT BROCHURE & TDS



CRUMB RUBBER GRANULES
SIZE 2-3 MM



CRUMB RUBBER GRANULES
SIZE 1-3 MM



MICRONIZED RUBBER POWDER
40 MESH



MICRONIZED RUBBER POWDER
30 MESH

Sun-Flex Crumb Rubber Granules

Sun-Flex Recycling Private Limited is the global leader in tire recycling production.

Sun-Flex is a global leader in cost-effective systems that deliver optimum production performance and profitability at the industry's most competitive prices for TDF (Tire Derived Shreds), wire free chips, rubber mulch, crumb rubber and fine rubber powder, which are used in a wide range of applications around the world.

Our tire recycling manufacturing plant was established in 2005 and currently operates two manufacturing facilities in INDIA. Sun-Flex is capable of producing a large quantity of crumb rubber granules and micronized rubber powder.

Our plant is designed and operated using a method of ambient mechanical grinding. We offer cutting-edge technology to our customers and are experts in crumb rubber for rubberized asphalt, sports fields and track infill, and rubber-moulded products.

We have 29 years of experience in the tire recycling industry and have built a brand reputation for excellence. We routinely manufacture crumb rubber for distribution to the nation's biggest asphalt contractors and synthetic turf product manufacturers.

We use new technology with higher quality standards

We are dedicated to innovation that results in higher-quality outcomes for our clients. Our manufacturing facilities are custom designed and built specifically for crumb rubber production, with advanced equipment and technology that ensures all of your crumb rubber specifications are met.

We have invested in the most advanced tire recycling equipment to manufacture crumb rubber granules and micronized rubber powder. We have a capacity of over 100 tonnes of micronized rubber powder. Our crumb rubber plant is designed to produce the highest quality rubber powder at the lowest possible cost. Throughout our manufacturing process, we analyse particle size on a continuous basis.

We conduct routine particle size, ash content, sieving graphs, metal, and other impurity testing on a regular basis.

Crumb Rubber Granules

Crumb rubber is recycled rubber produced from automotive and truck scrap tires. During the recycling process, steel and tire cord (fluff) are removed, leaving tire rubber with a granular consistency. Continued processing with a granulator. It reduces the size of the particles further. The particles are sized and classified.

Crumb rubber can be used in many applications, adding characteristics that improve the properties of finished products as well as reducing costs by replacing more expensive virgin compounds.

We produce custom sizes ranging from 10 mesh to 40 mesh.



Mesh Size Chart

U.S.MESH	MICRONS	INCHES	MILLIMETERS
10	2000	0.0787	2.000
30	595	0.0232	0.595
40	400	0.0165	0.400

Infill Crumb Rubber Granules

The tire crumbs were poured in between the artificial grass blades, providing more cushion and support to the artificial fields. This was a better solution because it satisfied athletes while also helping to prevent major injuries.

Over the years, our company has completed numerous landmark projects for the supply of infill crumb rubber granules. Our crumb rubber granules have been tested for rohs and migration of certain elements in accordance with international standards.

Benefits for using Infill rubber granules

- Resilient materials to hold turf up.
- Shock Attenuation stabilize the turf carpet 3 different rubber granules size.
- Good elasticity.
- Provide safe cushions good resistance to weathering and outdoor aging.



Micronized Rubber Powder

Sunflex Recycling Pvt Ltd micronized rubber powder (MRP) is a low-cost, high-performance, and environmentally friendly raw material that can be used to replace oil and rubber-based materials. We grind TDF chips to produce the highest quality micronized rubber powder. Sunflex Recycling Pvt Ltd converts used tires and other post-industrial rubber into micron-scale powders that are sold to manufacturers of advanced products such as high-performance tires, industrial rubber, consumer and industrial plastics, asphalt, coatings, and construction materials.

MRP is used as a compound extender to offset the use of natural rubber and synthetic polymers, as well as a process aid in the manufacturing of materials. Because it replaces commodity-priced rubber- and oil-based feedstocks, MRP can reduce formulation costs in some cases. According to some estimates, MRP offers up to a 50% cost savings over virgin raw materials.

Tire, automotive, construction, industrial components, and consumer products are among the industries that use MRP in their products. We have the capacity to produce more than 100 tonnes of MRP per month.

We manufacture three mesh sizes: 20 mesh, 30 mesh, and 40 mesh. Crumb Rubber has made significant investments in researching the best techniques, expertise, and products to make rubber powder a cost-effective part of your process.

Test Type	Test Method	Test Result	Testing Laboratory
Ash content	ASTM D297	9.03 %	TUV Rheinland
Moisture content	N/A	Max 1.0 %	N/A
Metal content	N/A	Max 0.1 %	N/A
Bulk density	ASTM D1895B	331 (kg/m3)	TUV Rheinland
Particle Size Distribution	Malvern Mastersizer 2000	Average Particle Size 360.039 microns	TUV Rheinland



**RETHINK
RECYCLING**

Crumb Rubber Granules

Micronized Rubber Powder 40 Mesh



**RETHINK
RECYCLING**

Crumb Rubber Granules

Micronized Rubber Powder 30 Mesh





CRUMB RUBBER GRANULES 1-3mm



Rubber Flooring

**MANUFACTURED BY
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