

Melos® Infill

for perfect artificial turf

We can supply the feel-good factor!

You want to create optimal playing conditions on a football field? Then our products are exactly what you need. We have not only tailored our granules to suit the various turf systems, we have also factored the specific requirements of football into our product development.

High-grade materials form the basis for top quality products. Our standard tests verify our products' optimal mechanical properties, and include comprehensive weathering tests to determine the UV resistance and guarantee the high performance.



LABOSPORT



	Characteristics	Advantages
Infill EPDM ST	Good elasticity, resistant to abrasion, weatherproof	Optimum cushioning, long lifetime, compatible with all turf types
Infill EPDM ECO	Fulfils higher environmental requirements than Infill EPDM ST	Use in environmental and water protection areas is possible
Infill EPDM LD	Like Infill EPDM ST and Infill EPDM ECO, but bulk density	Low weight per unit area, very good price/performance ratio
Infill TPS ST	Top elasticity, pleasant feel, recyclable, odourless	Optimum cushioning, ideal ball behaviour, low sliding friction, environmentally safe
Infill TPS SOFT	Soft touch effect, recyclable, odourless, lower bulk density than Infill TPS ST	Sliding effect, best playing conditions, ideal cushioning, improved protection for muscles and joints
Evolution Infill	Ideal playing environment for the athlete due to lower temperatures in direct sunshine	Outstanding ball behaviour, optimum cushioning, very low sliding friction, reduced temperature during summer season

The optimal form and distribution of our granules make a significant contribution to the turf system's overall performance. We have identified the decisive parameters and can recommend a suitable granule for your particular requirements.

Our granules are the key factor that will make your players even more successful.

Certificates

The Melos brand stands for decades of experience and know-how in the manufacturing of sport granules. Our products fulfil the highest quality demands and guarantee optimum playing characteristics. All materials are checked intensively and are subjected to stringent measurement and testing procedures. Certified independent testing laboratories confirm the excellent suitability of the materials and thus guarantee unlimited use.

Environmental friendliness

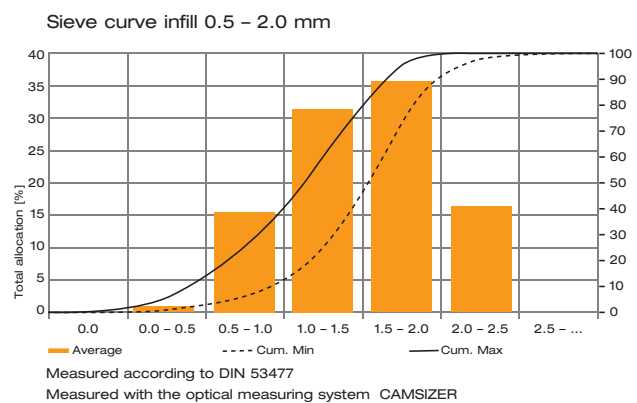
Melos infill materials are subjected to the most stringent of tests with regard to the environmental compatibility of the raw materials used. All products fulfil the standard environmental protection regulations. In special cases, such as in water protection areas or other sensitive zones, the granules are adjusted to be particularly environmentally safe. Contact us – we will be pleased to assist you.

Flammability

The infill can also all be adjusted to be flame retardant, thus fulfilling the relevant fire protection classes (e.g. class C_{fl}-S₁ non-flammable material according to DIN EN 13501-1) to ensure unlimited use of artificial turf indoor and outdoor.

Granules sizes

Melos infill materials are available in different grain size distributions depending on the customers needs. A granule size of 0.5 – 2.0 mm has become the recommended standard. However, other sizes are available upon request. The grading curve below shows the grain size distribution of the standard fraction based on DIN 53477.



Characteristics	Infill EPDM ST	Infill EPDM ECO	Infill EPDM LD	Infill TPS ST	Infill TPS SOFT
Density (g/cm ³)	1,58	1,58	1,25	1,58	1,35
Bulk density (g/L)	650	650	400	580	450
Hardness (Shore A)	60	60	60	70	50
Tensile strength (MPa)	> 5	> 5	n.d.	> 6	> 6
Elongation (%)	> 500	> 500	n.d.	> 700	> 700
Abrasion	97	97	97	98	99
ISA compression (%)	20	16	n.d.	16	n.d.

* Infill ST = Standard EPDM, Infill ECO = Ecologic EPDM, Infill LD = Low Density EPDM, Infill TPS ST = Standard TPS, Infill TPS SOFT = Soft Touch TPS



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Customer Solutions

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