

PORPLASTIC *MS tender*

The revolution in monofilament systems: playing properties like natural grass

SYSTEM DATA

| properties | 42 MS tender | 50 MS tender | 60 MS tender |
|---|--|-----------------------|------------------------|
| fibre structure | monofilament smooth, spring-back yarn | | |
| fibre dimension | thickness 130-330-130 µm /width 1.4 mm | | |
| pile height | 40 mm | 50 mm | 60 mm |
| number of stitches per metre per m ² | 130 8.190 | 130 8.190 | 130 8.190 |
| pile weight [g/m ²] | 1010 | 1200 | 1400 |
| backing | polypropylene- /fleece fabric with latex | | |
| total weight | 2370 g/m ² | 2560 g/m ² | 2760 g/m ² |
| filling [kg/m ²] sand rubber granules | ca. 20-24 ca. 5-9 | ca. 20-24 ca. 8-10 | ca. 18-24 ca. 10-17 |
| sub-base | PORPLASTIC ^{EL} elastic layer recommended | | without elastic layer |



SYSTEM DESCRIPTION

- tested according to DIN 18035-7:2014-10, type B
- tested according to EN 153230-1:2013-12
- permeable to water
- excellent fibre self-reflex ability
- high abrasion resistance
- long life-time
- good sliding behaviour and shock absorption
- sliding without risk of burns because of super-soft and very dense fibres
- natural ball behaviour (rolling and reflexion)
- very good alternative to natural grass
- excellent appearance

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TECNICAL DATA

| properties | test method | 40 MS tender (on EL) | requirement |
|---|-------------------------------------|------------------------------|---------------------------|
| Shock absorption dry / wet after use | DIN EN 15330-1: 2013-12 EN 14808 | 66% / 67% 69 % | 55 – 70 % |
| Vertical deformation dry / wet after use | DIN EN 15330-1: 2013-12 EN 14809 | 7,7 / 7,9 mm 7,6 mm | 4 – 10 mm |
| Water permeability | DIN EN 15330-1: 2013-12 EN 12616 | >2800 mm/h | >500 mm/h |
| Environmental test | DIN 18035-7: 2014-10 | fulfilled | DOC, EOX, heavy metals |
| Rotational resistance cleats dry / wet multinocks dry / wet after use | DIN EN 15330-1: 2013-12 | 39/40 Nm 31/31 Nm 40Nm | 25-50 Nm |
| Ball roll dry / wet | DIN EN 15330-1: 2013-12 EN 12234 | 7,6 m / 7,7 m | 4-10 m |
| Ball rebound dry / wet after use | DIN EN 15330-1: 2013-12 EN 12235 | 66 % / 66 % 70% | 45-75% |



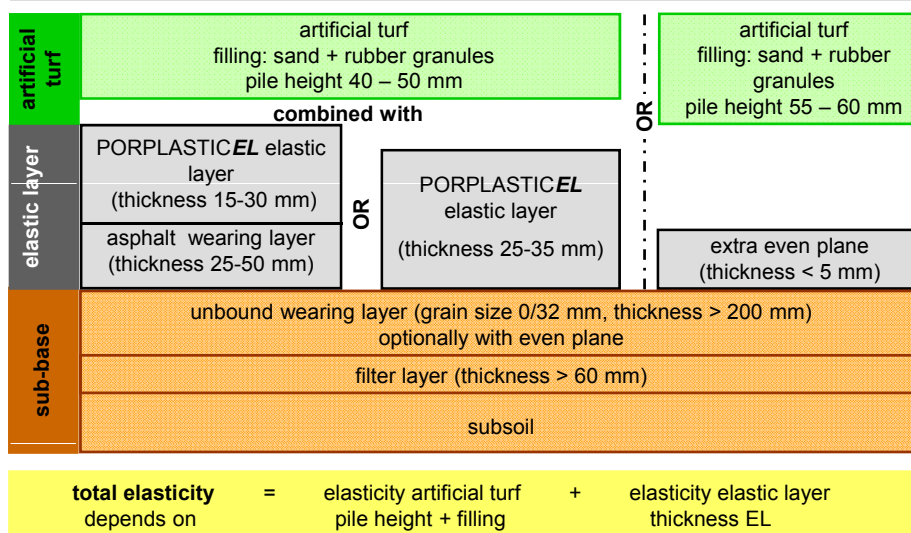
FIELDS OF APPLICATION

Artificial turf with revolutionary fibre technology for

- soccer
- American football
- Rugby



MODULAR SYSTEM AND ELASTICITY



Remark: for further information please refer to the product data sheets or contact our technical service. All data are approximate values. Therefore no liability claims can be derived from the system data sheet. As all PORPLASTIC data sheets are updated on a regular basis it is the users responsibility to obtain the most recent issue (see www.porplastic.com or contact us directly). Date of issue: Feb. 2016 – all technical information is subject to change without prior notice.