# XGrid PET-C-0 35/20

| | |
|---|---|
| Reference norms: | **EN 13249, EN 13250, EN 13251, EN 13253, EN 13254, EN 13255, EN 13257, EN 13265** |
| Certicate number: | **1213 - CPR - 5326** |
| Application: | **Reinforcement** |

CE

**STRUCTURE:** Knitted grid from high-tenacity multifilament polyester yarns with black polymeric coating which can provide best resistance of UV and durability

| ***PROPERTIES OF RAW MATERIAL*** | | | | *tol* |
|---|---|---|---|---|
| Raw material | | | **PET** | |
| Coating | | | **polymeric** | |

| ***MECHANICAL PROPERTIES*** | | | | *tol* |
|---|---|---|---|---|
| Strength resistance MD - $T_{ULT}$ | EN ISO 10319 | kN/m | **≥ 35** | |
| Elongation at max load MD | EN ISO 10319 | % | **10** | *+/-2,5* |
| Strength resistance CMD | EN ISO 10319 | kN/m | **≥ 20** | |
| Elongation at max load CMD | EN ISO 10319 | % | **11** | *+/-2,5* |
| Long term design strength MD - $T_{AL}$ (*) | FHWA NHI-00-043 | kN/m | **19,35** | |

(120 years life, 20°, 5<pH<8, sand)

| ***CHEMICAL PROPERTIES OF RAW MATERIAL*** | | | | *tol* |
|---|---|---|---|---|
| Carboxyl End Group - CEG | GRI GG7 | mmol/kg | **16,6** | |
| Molecular weight | GRI GG8 | Mn | **40000** | |

| ***TYPICAL DIMENSIONS*** | | | *tol* |
|---|---|---|---|
| Mesh dimensions MD/CMD | mm | **29x29** | *+/-2* |
| Roll width | m | **4,15 - 5,25** | *+/-0,1* |
| Roll length | m | **100** | *+/-0,5* |

**MD**: Machine direction - longitudinal direction
**CMD**: Cross machine direction - transverse direction

TeMa Technologies and Materials



**TeMa Technologies and Materials srl**

**Via dell'Industria 21 - 31029 Vittorio V.to (TV)  Tel. +39.0438.50.31 - Fax +39.0438.50.34.60 - e-mail: info@temacorporation.com - www.temacorporation.com**

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