

# DuPont™ Typar® HR

## Reinforcement geocomposite

Ask for more  
**Strength**



### ▶ Measured properties

#### ▶ Typar® HR: A High Resistance reinforcement geocomposite.

Typar® HR is a high strength geocomposite using the separation and filtration performance of a regular polypropylene Typar®, reinforced with high-tenacity polyester yarns. These reinforcement fibres are permanently combined with the nonwoven base by weft insertion knitting to provide a very strong multi-functional geosynthetic.

### ▶ Measured properties

Property	Standard	Unit	HR55/55	HR80/80
<b>▶ Mechanical Properties</b>				
Tensile strength MD	EN ISO 10319	kN/m	60	90
Tensile strength XD	EN ISO 10319	kN/m	60	90
Elongation MD / XD	EN ISO 10319	%	11	11
<b>Tensile strength MD</b>				
2%	EN ISO 10319	kN/m	10	15
5%	EN ISO 10319	kN/m	25	35
10%	EN ISO 10319	kN/m	55	80
<b>Tensile strength XD</b>				
2%	EN ISO 10319	kN/m	10	15
5%	EN ISO 10319	kN/m	25	35
10%	EN ISO 10319	kN/m	55	80
Puncture CBR	EN 12236	kN	5.0	8.0
Dynamic Perforation	EN 918	mm	20	20
<b>▶ Hydraulic Properties</b>				
Velocity Index Vi50	EN ISO 11058	10-3m/s	30	30
Pore size O90	EN ISO 12956	mm	0.10	0.10
<b>▶ Descriptive Properties</b>				
Unit weight	EN 965	gr/m2	340	425

The values correspond to average results obtained in our laboratories and outside institutes and are indicative. The right is reserved to modify these values at any time without notice.

#### Product safety information is available upon request or on [www.typargeo.com](http://www.typargeo.com)

This information corresponds to our current knowledge to substitute for any testing you may need to conduct to determine knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DuPont makes no warranties and assumes no liability in connection with any use of this information.

#### ▶ Durability

To be covered on the day of installation  
Predicted to be durable for a minimum of 25 years in natural soils with  $4 < \text{pH} < 9$  and soil temperatures  $< 25^\circ \text{C}$

#### ▶ Product description

Nonwoven component: Typar®, 100% polypropylene heat bonded continuous filaments.  
Reinforcement component: weft inserted high tenacity polyester yarns.

Typar® HR is delivered in: 4.4 m x 100 m.



0799-CPD-12



Typar® HR Design suggestions and case studies are also available on the web site

[www.typargeo.com](http://www.typargeo.com)

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