

# DO 155

Highly breathable membrane  
Riwega | eternitycomfort

Technical data sheet

of 06/02/2014

Art. 02010190

Rev.07

of 08/10/2025

|                                                     |                         |                                                                                                     |
|-----------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------|
| Material                                            | PP.PP.PP                | <br>EN 13859 - 1 |
| Film                                                | PP                      |                                                                                                     |
| Colour                                              | Grey                    |                                                                                                     |
| Durability under integrated FTV                     | No                      |                                                                                                     |
| Roll width                                          | 1,5 m [-0,50% / +1,50%] |                                                                                                     |
| Roll length                                         | 50 m                    |                                                                                                     |
| Roll weight                                         | 12 Kg                   |                                                                                                     |
| Classification in accordance with UNI 11470 (IT)    | B                       |                                                                                                     |
| Classification in accordance with ZVDH (DE)         | UDB - USB               |                                                                                                     |
| Classification in accordance with Önorm B4119/B3661 | Typ I                   |                                                                                                     |
| Classification in accordance with SIA 232-1 (CH)    | UD EB-NB wU-fU          |                                                                                                     |
| Conforms to DTU (FR)                                | 40.29                   |                                                                                                     |
| Available in TOP SK version                         | Art.02020312            |                                                                                                     |

| PROPERTIES                                      | METHOD           | UNITS                  | NOMINAL VALUE              |
|-------------------------------------------------|------------------|------------------------|----------------------------|
| Areal mass                                      | EN 1849-2        | g/m <sup>2</sup>       | 155 [±10g/m <sup>2</sup> ] |
| Air layer equivalent to the vapour passage [Sd] | EN ISO 12572     | m                      | 0,02 [-0,01/+0,03]         |
| Water vapour diffusion [DVA]                    | EN ISO 12572     | g/m <sup>2</sup> / 24h | ca.1000                    |
| Water column                                    | EN 20811         | cm                     | >200                       |
| Heavy rain test                                 | TU Berlin        | -                      | Passed                     |
| Resistance to water penetration                 | EN 1928 (Met. A) | -                      | W1                         |
| Tensile strength MD*                            | EN 12311-1       | N/50mm                 | 350 [200 / 420]            |
| Tensile strength CD*                            | EN 12311-1       | N/50mm                 | 260 [150 / 320]            |
| Elongation MD*                                  | EN 12311-1       | %                      | 60 [30 / 125]              |
| Elongation CD*                                  | EN 12311-1       | %                      | 80 [30 / 145]              |
| Resistance to tearing MD*                       | EN 12310-1       | N                      | 200 [120 / 280]            |
| Resistance to tearing CD*                       | EN 12310-1       | N                      | 225 [160 / 350]            |
| Fire reaction                                   | EN 13501-1       | Class                  | E                          |
| UV-stability                                    | -                | Months                 | 3                          |
| Temperature resistance                          | -                | °C                     | -40 / +90                  |
| <b>After artificial ageing</b>                  |                  |                        |                            |
| Resistance to water penetration                 | EN 1928 (Met. A) | -                      | W1                         |
| Tensile strength MD/CD*                         | EN 12311-1       | N/50mm                 | npd                        |
| Elongation MD/CD*                               | EN 12311-1       | %                      | npd                        |

|                                   |              |                   |                          |
|-----------------------------------|--------------|-------------------|--------------------------|
| Density                           | EN 1849-1    | Kg/m <sup>3</sup> | 258                      |
| Thickness                         | EN 1849-2    | mm                | 0,6 [-0,01/+0,01]        |
| Vapour resistance coefficient [μ] | EN ISO 12572 | -                 | 33                       |
| Vapour permeability coefficient   | -            | Kg/m*s*Pa         | 5,8485*10 <sup>-12</sup> |
| Thermal conductivity [λ]          | -            | W/mK              | 0,22                     |
| Specific heat                     | -            | J/KgK             | 1700                     |

\* MD= Machine Direction; CD= Cross Direction

Riwega S.r.l. reserves the possibility to review or change these technical values. The updated technical data sheet can be found on the website [www.riwega.com](http://www.riwega.com). This data sheet replaces the previous copy.