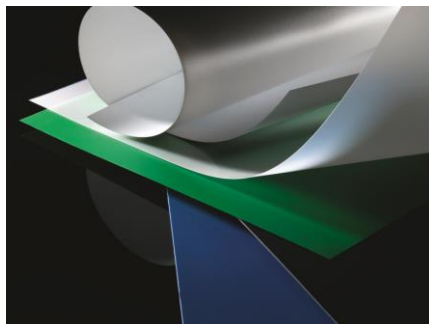




75 route de Lapoutroie  
68240 Kayersberg, France  
+33 (0)3 89 78 32 57 <sup>T</sup>  
[www.corplex.com](http://www.corplex.com)  
Last review: 03/03/2025

## TECHNICAL SPECIFICATION

### Description

CORPLEX reference: 5021136  
Customer reference: 061031

### Process

Extrusion - Packaging - Shipment

### Material

Solid polypropylene copolymer extruded AkyPlen®

### Chemical resistance

Polypropylene has good chemical inertness and good resistance to cracking under stress. It has no solvent at 20°C. Very resistant to mineral and organic products; it is neither affected by water solutions of mineral salts, nor by chemical bases and mineral acids at temperatures lower than 60°C, except very strong acids.

Not resistant to substances with an oxidizing effect or to certain solvents. Details can be supplied if required.

### Regulatory compliance

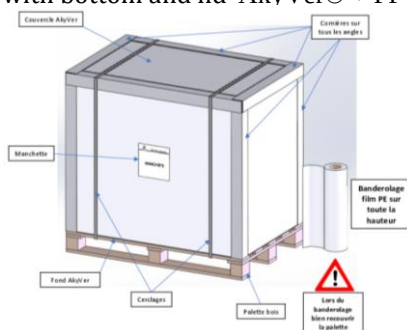
94/62/EC on Packaging and Packaging waste  
Regulatory REACH and directive ROHS  
Food contact: No request

### Technical characteristics of the product

|                       |                                                                  |           |
|-----------------------|------------------------------------------------------------------|-----------|
| Thickness:            | 0.35 mm                                                          | +/-0.01mm |
| Colour:               | White opaque                                                     |           |
| Raw material density: | 1.0                                                              |           |
| Specifications:       | Fire-retardant in the composition<br>Corona treatment on 2 faces |           |
| Flatness:             | Edge ripple up to 2mm                                            |           |
| Sheet Size:           | 2050 -0/+14mm x 1220mm -0/+2mm                                   |           |

### Packaging

Space Pallets: 2080 x 1250 x 433 mm  
Wood pallet reinforced perimeter 2080x1250mm  
750 items per pallet  
25 items per plastic bag + 1 label "SUNCLEAR POLYPRO" per paquet  
Protection: PE stretch foil with bottom and lid AkyVer® + PP corners and straps





### PP Mechanical Properties

| Property                         | Unit              | Result   | Method    |
|----------------------------------|-------------------|----------|-----------|
| Density                          | g/cm <sup>3</sup> | /        | ISO 1183  |
| Bulk Density                     | g/cm <sup>3</sup> | /        | ISO 1183  |
| Melt Flow Index 230°C/2.16 kg    | g/10min           | 3.5      | ISO 1133  |
| Tensile Strength at Yield        | MPa               | 24       | ISO527-2  |
| Elongation at Yield              | %                 | 11       | ISO 527-2 |
| Tensile Modulus                  | MPa               | 1050     | ISO 527-2 |
| Flexural modulus                 | MPa               | 1200     | ISO 178   |
| Izod Impact Strength (notched)   | kJ/m <sup>2</sup> | ISO 180  |           |
| at 23°C                          |                   | No Break |           |
| at -20°C                         |                   | 7        |           |
| Charpy Impact Strength (notched) | kJ/m <sup>2</sup> | ISO 179  |           |
| at 23°C                          |                   | No Break |           |
| at -20°C                         |                   | 8        |           |
| Harness Rockwell – R – Scale     |                   | 77       |           |
| Melting Point                    | °C                | 165      | ISO 3146  |
| Vicat Softening Point            | °C                | ISO 306  |           |
| 50N-50°C per hour                |                   | 60       |           |
| 10N-50°C per hour                |                   | 130      |           |
| Heat Deflection Temperature      | °C                | ISO75-2  |           |
| 1.8 MPa – 120°C per hour         |                   | 50       |           |
| 0.45 MPa – 120°C per hour        |                   | 92       |           |

### Storage conditions

The product has to be stored between +5°C and +50°C in a clean place in normal relative humidity conditions (ideally between 30 and 70%).

Store the product away from UV, any heat sources or flammable substances.

Avoid the storage in locals where gasses could be present (forklift trucks exhaust gasses, shrink film with gas heating...)

In these conditions, the shelf life is minimum 5 years after the date of production.  
Corona and antistatic treatment: the durability of these treatments is 6 months.

Don't remove the protective packaging film before processing.

The processing has to be done at temperatures between +15°C and +25°C.  
Before processing verify that the sheets are at the recommended temperature.