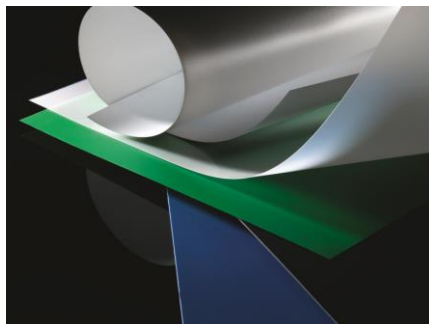




75 route de Lapoutroie
68240 Kayersberg, France
+33 (0)3 89 78 32 57 ^T
www.corplex.com
Last review: 03/03/2025

TECHNICAL SPECIFICATION

Description

CORPLEX reference: 5021137
Customer reference: 061033

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

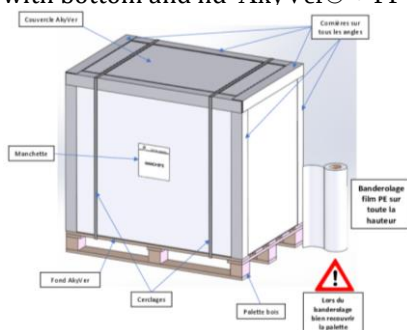
94/62/EC on Packaging and Packaging waste
Regulatory REACH and directive ROHS
Food contact: No request

Technical characteristics of the product

Thickness: 0.45 mm +/-0.01mm
Colour: White opaque
Raw material density: 1.0
Specifications: Fire-retardant in the composition
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 440 mm
Wood pallet reinforced perimeter 2080x1250mm
600 items per pallet
20 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 ³	/	ISO 1183
Bulk Density	g/cm ³	/	ISO 1183
Melt Flow Index 230°C/2.16 kg	g/10min	3.5	ISO 1133
Tensile Strength at Yield	MPa	24	ISO 527-2
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 ²	ISO 180	
at 23°C		No Break	
at -20°C		7	
Charpy Impact Strength (notched)	kJ/m ²	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	ISO 75-2	
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.