

9482 Thermoplastic Polyurethane (TPU) Paint Protection film (PPF)

Description

9482 paint protection film is a transparent clear thermoplastic polyurethane film. It protects vehicle surface against stone chips, road debris etc. with its superior flexibility. 9482 TPU film, prevents any kind of insect stains, chemical stain, and protects original color. 9482 film has "self-healing" upper floors that help the little scratches disappear. With these coats, small scratches (e.g. wipers, cleaning brushes) can easily be lost with heat (e.g. solar radiation, heat gun). 9482 Thermoplastic Polyurethane (TPU) Paint Protection film has high anti-yellowing resistance as it consists of aliphatic TPU UV-reinforced thermoplastic polyurethane. With its dirt control system and self-cleaning function, it does not hold water during rain and brush washing.

Area of Use

Product is designed for vehicle paint and painted surface protection purposes and is easy to size by manual cutting during application. It is the ultimate choice for protection of the highly sensitive external surfaces of vehicle like; bumper, side mirrors, hood, wheel arches. Protection of internal surfaces like, luggage racks or chairs in busses or trains or for protection of surfaces in high traffic areas like, reception desks, door impact areas.

Release Liner

Specially produced highly stable 70g /sqm, one side siliconized polyethylene terephthalate (PET) film.

Adhesive

Solvent based acrylic permanent clear adhesive.

Technical Characteristics

Properties	Test Method	Value
Film Thickness * (Adhesive and Release Liner are Excluded)	ISO 4591:1992	0,150mm (150 micron) TPU 0,050mm (50 micron) PES (Polyester)
Adhesive Power **	FINAT TM 1 (Stainless Steel)	Initial >10 N/25 mm 20 Minutes >13 N/25 mm 24 Hour >24 N/25 mm
Tensile Strength	ISO 527-1:2012	Along : >34 MPa Across: >34 MPa
Elongation Strength	ISO 527-1:2012	Along : >%550 Across: >%550
Dimensional Stability (150x150 mm / 48 hour / 70°C)	FINAT 14 / Steel	< 0,2 mm
Temperature Resistance		-30°C ile +90°C
Application Temperature		> +10°C
Shelf Life ***		2 Years
Service Life	The given values are prepared as considering vertical applications in middle of Europe climate conditions.	Indoor 7 Years

Attention

Before the application the surface must be cleaned from dust, powder, oil and all other things which will affect the adhesive properties. Freshly lacquered or painted surfaces must be kept waiting at least 2 weeks for maximum results. For all applications Unifol Application Guide must be considered. The statement in this data sheet is intended only as a source of information and is given without guarantee. For large application areas and wide range application differences, users must test the product for their applications. Calculated for applications under Middle Europe climate conditions and for vertical applications. This information stated on this documents depends on user experiences and don't give any warranty for the product. UNIFOL-UNICAST brand names are registered trade marks of BES REKLAM A.Ş.

* Average %3

** With original package at 23 C and 50% relative humidity

*** Calculated for applications under Middle Europe climate conditions and vertical applications

In the event of indemnification of the losses that may be subject to the compensation, UNIFOL technical team reserves to right of examination.

The costs other than the material itself (workmanship, ink, consumables, print, and removal, cleaning etc. costs) will not be included for calculations of the potential losses that may occur. UNIFOL replace the defective materials if necessary. Product replacement will be accepted only after approval of UNIFOL LABORATORIES.

Unifol application guide can be obtained from sales representatives or downloaded from unifol official website www.unifol.com.tr