

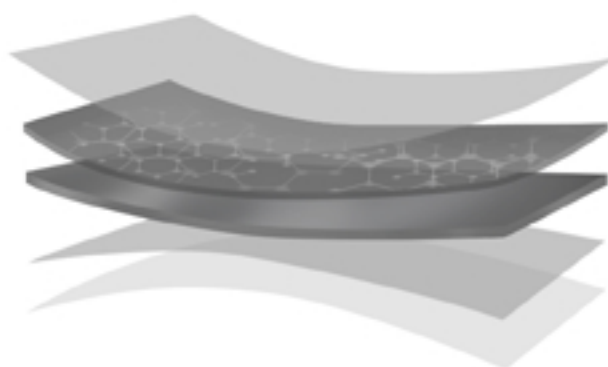
## INFORMATION

The Economic-R Series from MagiRing, the ultimate solution for businesses looking to offer their customers high-quality paint protection at a competitive price. The Economic-R Series is built with Covestro TPU substrate and Taiwan Runyi adhesive, delivering the perfect balance of performance and affordability. The film offers outstanding protection against road debris, scratches, stone chips, and harmful UV rays, all while maintaining a glossy, crystal-clear finish that enhances your customers' vehicles.

The Economic-R Series is a perfect entry-level PPF solution that offers excellent protection without the high cost typically associated with premium brands, helping you maximize your margins while keeping customers satisfied.

Specifically designed for bulk buyers, that ensures superior vehicle protection while keeping costs low—an ideal choice for dealerships, auto service providers, and resellers. For the R series, we have three (150/175/210um) thickness to choose from.

## PRODUCT CONSTRUCTION



**SURFACE PROTECTIVE FILM**

**SELF-HEALING COATING**  
100% selfrepairing

**TPU THIN FILM (BASE MATERIAL)**  
150/175/210um  
Covestro TPU

**VISCOSE LAYER (GLUE)**  
Taiwan Runyi Self-adhesive Glue

**RELEASE LINER**

## GENERAL CHARACTERISTICS

ESSENTIAL ATTRIBUTE	MEASURING METHOD	SPECIFICATION	UNIT	INSPECTION RESULT
Colour	Visual inspection	Colorless and transparent	/	Colorless and transparent
Thickness of the upper PET protective film	GB/T 6672-2001	50±2	μm	52
Thickness of the lower PET protective film		80±3	μm	80
Total thickness of finished film		190/215/245±5%	μm	192/215/246
Glossiness	OC/T1171-2022	≥140	GU	≥140
Fog degree	GB/T 2410-2008	≤0.8	/	≤0.8
Visible transmittance	GB/7258-2017-11.5.7	≥80	/	≥80
Uv blocking	LS182 DETECTOR	>90	/	>90
QUV Aging resistance	ASTM G154-16 LOOP 1	Δ E*ab<2	/	<2
Thermal self-healing	Brass brush 10 times, 50-70°C hot water for 1 minute.	100% selfrepairing	/	100% selfrepairing
Acrylic layer peeling force/20min	GB/T 2792	>600	gf/inch	>600
Acrylic layer peeling force/24h		>1000	gf/inch	>1000
Tearing strength	GB/T 529	≥40	KN/m	≥40
Elongation at break of coating	GB/T 1040.1	>80	%	>80
Tensile strength		>15	Mpa	>15
PPF Elongation at break		>200	%	>200
100% modulus		>6	Mpa	≥6

**NOTE:** The total thickness of the finished film is the sum of TPU thickness, coating thickness and adhesive thickness.  
The aging test duration of QUA is 1000h.