



Makrolon[®]

Covestro Makrolon[®] LED5402

**UV-Stabilized Polycarbonate
for Secondary Optics
in the General Lighting Industry**

covestro.com



► Good Optical Performance

For decades, technical designers for optical applications have trusted the Makrolon® polycarbonate portfolio for flame retardance, mechanical robustness and thermal stability.

Makrolon® LED5402 is a UV-stabilized polycarbonate for secondary optics in the general lighting industry. Its high transparency enables manufacturers to meet the demanding requirements of their lighting customers. High mechanical strength fits for snap-fit optics design.

- High transmission > 89% at 2mm for General Lighting Lens
- Low Yellowness with YI < 0.8
- Haze < 1.0
- MVR 9.5 enhances the snap fit design to avoid breakage
- f1: Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL746C
- Stable supply and good quality to keep your production running



Material / Properties @ 2mm	Makrolon® LED5402 551592
UV stabilized	✓
Ty (D65, 10°)	> 89%
YI (D65, 10°)	<0.8
Haze [%]	<1.0
MVR	9.5
Burning behavior UL 94	Class V-2 at 0.75-2.4mm thickness

► Covestro, Your Innovation Partner

Covestro was the inventor of polycarbonate and has been championing it for decades. Our heritage and appreciation of partnerships enables us to push the boundaries in material science with customers and convert imagination into valuable products.

✉ If you want to know how Covestro makes the world a brighter place or whether Makrolon® LED5402 is a fit for your next endeavor, please write to plastics@covestro.com for more information.



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