

## Covestro Makrolon® ET UV510 Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Extruded

### Material Notes:

Main characteristics:• High toughness• Good heat resistance• Glass-like transparency, optical quality• High dimensional accuracy and stability

Grade characteristics:• PC/UV absorber concentrate• High viscosity; easy release• Very low plate-out• Special grade for the

coextrusion of Makrolon ET base resinsAs of 1 September 2015, Bayer MaterialScience was separated from Bayer AG and officially adopted its new name – Covestro.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Covestro-Makrolon-ET-UV510-Polycarbonate.php](http://www.lookpolymers.com/polymer_Covestro-Makrolon-ET-UV510-Polycarbonate.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	ISO 1183-1
Melt Flow	8.0 g/10 min @Load 1.20 kg, Temperature 300 °C	8.0 g/10 min @Load 2.65 lb, Temperature 572 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179-1eU

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	138 °C	280 °F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	125 °C	257 °F	ISO 75-1,-2
Vicat Softening Point	144 °C @Load 5.10 kg	291 °F @Load 11.2 lb	50°C/h; ISO 306
Flammability, UL94	V-2 @Thickness 0.360 mm	V-2 @Thickness 0.0142 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	IEC 60093
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	IEC 60093

Processing Properties	Metric	English	Comments
Melt Temperature	300 °C	572 °F	Injection molding; ISO 294

Processing Properties	Metric	English	Comments
Injection Velocity	200 mm/sec	7.87 in/sec	Welding; ISO 294

## Contact Songhan Plastic Technology Co.,Ltd.

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