



Makrolon® ET UV510

Grades / Extrusion

PC/UV absorber concentrate; high viscosity; easy release; very low plate-out; special grade for the coextrusion of Makrolon ET base resins; available in color code 550054 only; solid sheet; multi wall sheets / profiles

ISO Shortname

Property	Test Condition	Unit	Standard	typical Value
Rheological properties				
C Melt volume-flow rate	300 °C/ 1.2 kg	cm ³ /10 min	ISO 1133	8.0
Mechanical properties (23 °C/50 % r. h.)				
C Charpy impact strength	23 °C	kJ/m ²	ISO 179/1eU	N
Thermal properties				
C Temperature of deflection under load	1.80 MPa	°C	ISO 75-1,-2	125
C Temperature of deflection under load	0.45 MPa	°C	ISO 75-1,-2	138
C Vicat softening temperature	50 N; 50 °C/h	°C	ISO 306	144
C Burning behavior UL 94	0.36 mm	Class	UL 94	V-2
Electrical properties (23 °C/50 % r. h.)				
C Volume resistivity		Ohm·m	IEC 60093	1E14
C Surface resistivity		Ohm	IEC 60093	1E16
Other properties (23 °C)				
C Density		kg/m ³	ISO 1183-1	1190
Processing conditions for test specimens				
C Injection molding - Melt temperature		°C	ISO 294	300
C Injection molding - Mold temperature		°C	ISO 294	80
C Injection molding - Injection velocity		mm/s	ISO 294	200

C These property characteristics are taken from the CAMPUS plastics data bank and are based on the international catalogue of basic data for plastics according to ISO 10350.

Impact properties: N = non-break, P = partial break, C = complete break

