



Makrolon® ET IR320

Grades / Extrusion

PC/IR absorber concentrate; Extrusion; high viscosity; special grade for heat absorbing ; available in color code 000000 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	cm³/10 min	ISO 1133	13
Thermal properties				
C Temperature of deflection under load	1.80 MPa	°C	ISO 75-1,-2	124
C Temperature of deflection under load	0.45 MPa	°C	ISO 75-1,-2	139
C Vicat softening temperature	50 N; 50 °C/h	°C	ISO 306	147
Other properties (23 °C)				
C Density		kg/m³	ISO 1183-1	1200
Processing conditions for test specimens				
C Injection molding-Melt temperature		°C	ISO 294	290
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

