



COVESTRO DEUTSCHLAND AG [PC RESINS]

Chempark  
Gebäude B207  
Leverkusen, 51368 Germany



Makrolon: 3100 + (z)(f1), ET3113 + (z)(f1), ET3113 + RE (f1), 3105 + (z)(f2), 3107 + (z)(f1), 3108 + (z), ET3117 + (z)(f1), ET3117 + RE (f1)

Polycarbonate (PC), pellets

- (f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
- (f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.
- (z) - Material designation and color code may be followed by up to three letters and/or three numbers (does not include grades which are separately recognized with above material designation and suffix)
- + - Material designations may be followed by a six digit numerical code denoting color.

可燃性	值	测试方法
UL 阻燃等级		
1.5 mm, ALL	HB	UL 94
3.0 mm, ALL	HB	UL 94
6.0 mm, ALL	HB	UL 94
0.8 到 1.4 mm, ALL	V-2	UL 94 IEC 60695-11-10, -20
3.0 mm, ALL	HB40	IEC 60695-11-10, -20
6.0 mm, ALL	HB40	IEC 60695-11-10, -20
1.5 mm, ALL	HB75	IEC 60695-11-10, -20
电气性能	值	测试方法
热丝引燃 (HWI)		UL 746A
1.5 mm	PLC 3	
3.0 mm	PLC 2	
6.0 mm	PLC 0	
高电弧燃烧指数(HAI)		UL 746A
1.5 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
相比耐漏电起痕指数(CTI)	PLC 2	UL 746A
介电强度	23 kV/mm	ASTM D149
高电压电弧起痕速率 (HVTR)	PLC 0	UL 746A
体积电阻率	1.0E+16 ohms-cm	ASTM D257 IEC 60093
耐电弧性	PLC 6	ASTM D495



热性能	值	测试方法
RTI Elec		UL 746B
1.5 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
RTI Imp		UL 746B
1.5 mm	115 °C	
3.0 mm	115 °C	
6.0 mm	115 °C	
RTI		UL 746B
1.5 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
物理性能	值	测试方法
Dimensional Change	0.0 %	ASTM D1042 ISO 2796
室外适用性	f2, f1	UL 746C