



Covestro Deutschland AG [PC Resins]  
Chempark, Gebaeude B207, Leverkusen 51368 DE



## Makrolon: 2805 + (z)(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.
- (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		
2.5 mm, ALL	HB	UL 94
3.0 mm, ALL	HB	UL 94
6.0 mm, ALL	HB	UL 94
0.75 mm, ALL	V-2	UL 94 IEC 60695-11-10, -20
1.5 到 2.4 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
2.5 mm, ALL	HB75	IEC 60695-11-10, -20
电气性能	值	测试方法
热丝引燃 (HWI)		UL 746
0.75 mm	PLC 3	
1.5 到 2.4 mm	PLC 2	
2.5 mm	PLC 2	
3.0 mm	PLC 2	
6.0 mm	PLC 0	
高电弧燃烧指数(HAI)		UL 746
0.75 mm	PLC 0	
1.5 到 2.4 mm	PLC 0	
2.5 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 746
介电强度	29 kV/mm	ASTM D149 IEC 60243-1
高电压电弧起痕速率 (HVTR)	PLC 0	UL 746
Inclined-Plane Tracking (1.0 kV)	60 min	ASTM D2303
耐电弧性	PLC 5	ASTM D495



热性能	值	测试方法
RTI Elec		UL 746
0.75 mm	125 °C	
1.5 到 2.4 mm	125 °C	
2.5 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
RTI Imp		UL 746
0.75 mm	115 °C	
1.5 到 2.4 mm	115 °C	
2.5 mm	115 °C	
3.0 mm	115 °C	
6.0 mm	115 °C	
RTI		UL 746
0.75 mm	125 °C	
1.5 到 2.4 mm	125 °C	
2.5 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
物理性能	值	测试方法
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796
室外适用性	f1	UL 746C

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