

Model FR6005 HF + (z), FR6005 HF + RE

File Number: E41613



COMPANY

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

MODEL INFO

FR6005 HF + (z), FR6005 HF + RE
Polycarbonate (PC) "Makrolon", impact modified, furnished as pellets
+ – Material designations may be followed by a six digit numerical code denoting color.
(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)

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
1.5 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	
ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
1.5 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	
Glow Wire Ignition Temperature (GWIT)		IEC 60695-2-13
1.5 mm	850 °C	
3.0 mm	900 °C	
Glow Wire Flammability Index (GWFI)		IEC 60695-2-12
1.5 mm	960 °C	
3.0 mm	960 °C	

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ELECTRICAL PROPERTIES	VALUE	TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
1.5 mm	PLC 2	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746A
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	UL 746A
THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
1.5 mm	115 °C	
3.0 mm	115 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
1.5 mm	105 °C	
3.0 mm	105 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
1.5 mm	115 °C	
3.0 mm	115 °C	
Ball Pressure Temperature	134 °C	

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