

# T & T Marketing TT 130 FR

Thermoplastic  
T & T Marketing, Inc.

Message:

TT 130 Black is a highly filled flame retardant black masterbatch for use in Monosil, Ethylene Vinyl Silane Copolymer or Sioplas moisture cureable systems requiring UL-44 horizontal flame performance in insulation and jacketing applications.

TT130 FR black masterbatch contains a halogen-based flame retardant package designed to flame spread characteristics and achieve a horizontal flame performance on #8 AWG wire and larger. TT 130 FR provides effective long term UV weather resistance.

Application

A 30% concentration of the TT 105 FR will pass the necessary properties such as horizontal flame retardance and the requirements for XHHW-2 and RHH cables as required by the UL-44 and UL-1581. The percentage of the let-down may be optimized for a particular cable size. The processing conditions, degree of cure and size of conductor can affect the results and care must be taken into consideration by each cable manufacturer to determine the required formulations for their applications.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good UV Resistance		
	Halogenated		
Uses	Masterbatch		
	Wire & Cable Applications		
Agency Ratings	UL 1581		
	UL 44		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm <sup>3</sup>	ASTM D1505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	19.3	MPa	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Retention of Tensile Elongation - 7 days at 121°C	> 90	%	UL 1581
Retention of Tensile Strength - 7 days at 121°C	> 90	%	UL 1581
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 44	
Extrusion	Nominal Value	Unit	
Drying Temperature	60.0 to 71.1	°C	
Drying Time	4.0 to 6.0	hr	

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