

# Aquathene® FR409800

Polyethylene  
LyondellBasell Industries

## Message:

AQUATHENE FR409800 is a colorable flame retardant masterbatch designed specifically for moisture cure applications. When FR409800 is combined with AQ120000 and CM04482 in the correct ratio this formulation is suitable for use in 600-V power cable and control cable applications where UL44 horizontal flame rating and 90°C service in wet locations are required. When melt blended using 30 wt.% FR409800, 5 wt.% CM04482 and 65 wt.% AQ120000, this formulation is designed to meet the following UL requirements: SIS, XHHW, XHHW-2, RHH, RHW, RHW-2, USE and USE-2.

General Information			
Additive	Flame retardancy		
Features	Flame retardancy		
Uses	Wire and cable applications		
	Mixing		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	146	°C	
Cylinder Zone 2 Temp.	154	°C	
Cylinder Zone 3 Temp.	163	°C	
Cylinder Zone 4 Temp.	177	°C	
Adapter Temperature	182	°C	
Die Temperature	182	°C	
Extrusion instructions			

Wire Preheat: 220°F

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## Recommended distributors for this material

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