

## PolyChem Alloy AquaGard™ 3004M

Category : Polymer

### Material Notes:

AquaGard products are designed to improve the flame retardency of polyolefins without the use of halogen additives, such as bromine or chlorine. AquaGard products are available in a polyethylene or polypropylene carrier, and typically comply with UL94 fire and smoke regulations. Several grades are available, or Aguagard can be specifically formulated to satisfy individual requirements. Information provided by the manufacturer, PolyChemAlloy.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyChem-Alloy-AquaGard-3004M.php](http://www.lookpolymers.com/polymer_PolyChem-Alloy-AquaGard-3004M.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 - 1.30 g/cc	1.20 - 1.30 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	38 - 42	38 - 42	
Elongation at Yield	340 - 360 %	340 - 360 %	

Thermal Properties	Metric	English	Comments
Oxygen Index	33 %	33 %	

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.00015 @Frequency 2.00e+9 Hz	0.00015 @Frequency 2.00e+9 Hz	

Processing Properties	Metric	English	Comments
Processing Temperature	<= 230 °C	<= 446 °F	Keep below 250°C (482°F) to optimize flame retardant performance.

Descriptive Properties	Value	Comments
Active Content	30 wt. %	
Carrier	Polyethylene	
Color	White	Custom colors available

**Contact Songhan Plastic Technology Co.,Ltd.**

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