

## PolyChem Alloy AquaGard™ 4504P

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. Processing Conditions: AquaGard 4504P can be blended into other resins (PE, PP) in a ratio of 7:3 (i.e 70 parts 4504P and 30 parts PE or PP). This ratio will impart flame retardancy, increase impact resistance and reduce elongation. Information provided by the manufacturer, PolyChemAlloy.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyChem-Alloy-AquaGard-4504P.php](http://www.lookpolymers.com/polymer_PolyChem-Alloy-AquaGard-4504P.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 - 1.10 g/cc	1.05 - 1.10 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	38 - 42	38 - 42	
Elongation at Yield	110 - 130 %	110 - 130 %	

Processing Properties	Metric	English	Comments
Processing Temperature	<= 250 °C	<= 482 °F	

Descriptive Properties	Value	Comments
Active Content	45 wt. %	
Carrier	Polyethylene	
Color	Off-White	Custom colors available

## Contact Songhan Plastic Technology Co.,Ltd.

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