

## PolyChem Alloy AquaGard™ 6004

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 AquaGard 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-6004.php](http://www.lookpolymers.com/polymer_PolyChem-Alloy-AquaGard-6004.php)

| Physical Properties | Metric           | English          | Comments |
|---------------------|------------------|------------------|----------|
| Specific Gravity    | 1.40 - 1.50 g/cc | 1.40 - 1.50 g/cc |          |

| Mechanical Properties | Metric      | English     | Comments |
|-----------------------|-------------|-------------|----------|
| Hardness, Shore D     | 43 - 47     | 43 - 47     |          |
| Elongation at Yield   | 140 - 160 % | 140 - 160 % |          |

| Thermal Properties | Metric             | English              | Comments |
|--------------------|--------------------|----------------------|----------|
| Flammability, UL94 | V-0                | V-0                  |          |
|                    | @Thickness 1.59 mm | @Thickness 0.0625 in |          |
| Oxygen Index       | 27 - 33 %          | 27 - 33 %            |          |

| Processing Properties  | Metric    | English   | Comments |
|------------------------|-----------|-----------|----------|
| Processing Temperature | <= 180 °C | <= 356 °F |          |

| Descriptive Properties | Value          | Comments                |
|------------------------|----------------|-------------------------|
| Active Content         | 60 wt.%        |                         |
| Carrier                | EPR terpolymer |                         |
| Color                  | White          | Custom colors available |

## Contact Songhan Plastic Technology Co.,Ltd.

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