

# Fine-Blend® CMG5904

## LLDPE-based Anhydride Modifier

### Description

Fine-Blend® CMG5904 is a maleic anhydride grafted polymer. The base resin is LLDPE, and it has white or light yellow particle appearance.

### Applications

Fine-Blend® CMG5904 can be used in low-smoke halogen-free flame-retardant wire and cable as a compatilizer which can improve the elongation of matrix material.

For more detailed information and recommendations regarding your specific application, please contact related sales or technical representative of Fine-Blend Compatilizer Company.

### Typical properties

| Characteristics        | Value   | Unit              | Test Method                      |
|------------------------|---------|-------------------|----------------------------------|
| Density                | 0.92    | g/cm <sup>3</sup> | ASTM D792                        |
| Melt index (190°C/5kg) | 0.5-3.0 | g/10min           | ASTM D1238                       |
| Graft level            | High    | /                 | Acid-base titration <sup>1</sup> |
| Drying loss            | ≤0.3    | %                 | 105°C, 10min                     |
| Tensile Strength       | >18     | MPa               | ASTM D638                        |
| Elongation at Break    | >400    | %                 | ASTM D638                        |

Notes: These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

<sup>1</sup>Low <0.25wt%, Medium 0.25-0.5wt%, High 0.5-1.0wt%.

### Processing information

Fine-Blend® CMG5904 can be processed over a wide range of conditions. The typical processing temperature range is from 130°C to 210°C, and it is related to the recipe, the type of extruder, screw design, screw speed, yield and the residence time etc.

### Storage, handling and safety

Fine-Blend® CMG5904 should be stored in dry conditions protect from high temperature and UV-light. Improper storage conditions may cause degradation and have consequences on physical properties of the product.

Comprehensive MSDS are provided to recommend safe practices during usage. Please contact sales of Fine-Blend Compatilizer Company or visit [www.fineblend.com.cn](http://www.fineblend.com.cn).