



## Product Description

Active Flow™ is low molecular weight polyethylene homopolymer which designed for adding in extrusion and injection moulding process to improve productivity, reduce power consumption and improve color dispersion. Active flow is compatible well with polyolefin polymers such as PE and PP, and acts as molten viscosity reducer during polymer processing without changing physical and mechanical properties

| Typical Application                                                                         | Product Characteristics                                                                                                                                                                                                                                          | International Specification                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>● Extrusion goods</li><li>● Injection goods</li></ul> | <ul style="list-style-type: none"><li>● Low viscosity</li><li>● Good compatible with polyolefin polymers</li><li>● Excellent heat resistance and thermal stability</li><li>● Improve flowability during processing</li><li>● Easy to handle and mixing</li></ul> | <ul style="list-style-type: none"><li>● US FDA 21 CFR 175.105</li><li>● US FDA 21 CFR 178.3720</li><li>● Directive 2002/95/EC (RoHS) and Directive 2011/65/EU (RoHS Recast)</li><li>● Regulation (EC) No.1907/2006 (REACH)</li><li>● Directive 94/62/EC (Packaging and Packaging Waste)</li></ul> |

## Physical properties

| Property             | Test Method | Value | Unit              |
|----------------------|-------------|-------|-------------------|
| Viscosity @ 149 °C   | ASTM D 3236 | 15-40 | cPs               |
| Density              | ASTM D 1505 | 0.94  | g/cm <sup>3</sup> |
| Penetration Hardness | ASTM D 1321 | 2     | d.mm              |
| Dropping Point       | ASTM D 3954 | 116   | °C                |

## Processing Guidelines

For extrusion goods and injection goods, it is recommended to mix 1-3% of Active flow with polyolefin resins by using an appropriate mixing machine. The processing condition such as barrel temperature, screw speed, injection time and cooling time can be adjusted to the maximum benefit of productivity or less energy consumption. The re-optimization of processing condition is required to take the full advantage of using Active flow.

## Product Technical Assistance

For technical assistance or further information on this product or any other Active flow products, please contact your SCG Performance Chemicals Technical Services at the address or telephone number as specified below.

| Product Available Form                                          | Product Packaging                                                                                        |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>● White pastile</li></ul> | <ul style="list-style-type: none"><li>● 25 kg loose bag, 25 kg bag on pallet (pelletized wrap)</li></ul> |

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