

**Sd-Chemie Nanofil® SE 3000 Flame Retardant**

Category : Other Engineering Material , Additive/Filler for Polymer , Polymer

**Material Notes:**

Application:PE/EVA; PP Cable formulationAutomotiveFilmTechnical PartsImproves: Scratch Resistance, Barrier, Mechanical Properties, Melt Viscosity, Flame Retardancy

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sd-Chemie-Nanofil-SE-3000-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Sd-Chemie-Nanofil-SE-3000-Flame-Retardant.php)

| Physical Properties | Metric   | English  | Comments                             |
|---------------------|--|--|--------------------------------------|
| Additive Loading    | 3.0 - 5.0 %  | 3.0 - 5.0 %  | for Flammability V-0                 |
| Melt Flow           | 2.5 g/10 min<br>@Load 10.0 kg,<br>Temperature 190 °C | 2.5 g/10 min<br>@Load 22.0 lb,<br>Temperature 374 °F | EVA/ATH/Nanofil® SE3000<br>(42:55:3) |

| Mechanical Properties | Metric | English | Comments                             |
|-----------------------|--------|---------|--------------------------------------|
| Elongation at Break   | 4.0 %  | 4.0 %   | EVA/ATH/Nanofil® SE3000<br>(42:55:3) |

| Thermal Properties | Metric | English | Comments  |
|--------------------|--------|---------|---|
| Flammability, UL94 | V-0    | V-0     | PE/EVA Sheathing 55%<br>ATH/Mg(OH)2 + 5% Nanofil<br>(recommended) |

| Processing Properties | Metric       | English      | Comments        |
|-----------------------|--------------|--------------|-----------------|
| Dry Time              | 10 - 12 hour | 10 - 12 hour | for PET systems |

| Descriptive Properties | Value             | Comments |
|------------------------|-------------------|----------|
| Type                   | Modified Nanoclay |          |

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