



## TAFMER™ H-5030S Ethylene Based Elastomer

### General Information

**TAFMER™ H-5030S**, ethylene based polymer, is a specialty olefinic resin designed to improve impact resistance, flexibility and softness of Polyethylene (PE) and Polypropylene (PP).

|                                     |                                                                                                      |
|-------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>Physical Attributes:</b>         | Low specific gravity<br>Softness and elasticity<br>Good impact resistance at low temperature         |
| <b>Chemical Attributes:</b>         | PE miscibility, PP compatibility<br>Good filler containability<br>Foamability<br>Crosslinkability    |
| <b>FDA/EU Directive Conformity:</b> | Conforms to FDA and EU Directive<br>Please contact Mitsui sales representatives for more information |
| <b>Others:</b>                      | Packed in pellet form<br>Gel content not controlled for film application                             |

| Physical Properties        | Test Method | Unit              | Value  |
|----------------------------|-------------|-------------------|--------|
| MFR(190°C/2.16kg)          | ASTM D1238  | g/10min           | 5.0    |
| MFR(230°C/2.16kg)          | ASTM D1238  | g/10min           | 11     |
| Density                    | ASTM D1505  | kg/m <sup>3</sup> | 870    |
| Mechanical Properties      | Test Method | Unit              | Value  |
| Tensile Strength at Break  | ASTM D638   | MPa               | > 10   |
| Elongation at Break        | ASTM D638   | %                 | > 1000 |
| Torsional Rigidity(23°C)   | ASTM D1043  | MPa               | 4      |
| Surface Hardness (Shore A) | ASTM D2240  | —A                | 73     |
| Thermal Properties         | Test Method | Unit              | Value  |
| Melting Point              | MCI Method  | °C                | 60     |
| Brittleness Temperature    | ASTM D746   | °C                | < -70  |

#### Disclaimer:

Information contained herein is based on the material, information and data available as of the end of December 2011. No warranty is given for any data or evaluation results contained herein. It is also assumed that the product is to be used under normal conditions and with due precautions. If the product is to be used in any special manner, the user is requested safety measures to meet such new use or application.