



Sun Prosper Chemicals Limited

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### Product Specification

|                           |  |                   |             |
|---------------------------|--|-------------------|-------------|
| Grade                     | <b>G810-S</b>  |                   |             |
| Product Name              | COSMOTHENE LOW DENSITY POLYETHYLENE GRADES                             |                   |             |
| Product Type              | INJECTION MOULDING   |                   |             |
| Application Details       | ARTIFICIAL FLOWER/SMALL PELLET   |                   |             |
| Characteristics           | EXCELLENT MOLDABILITY, GOOD FLEXIBILITY AND STRESS CRACKING RESISTANCE |                   |             |
| Description               | TYPICAL PROCESSING TEMPERATURE: STOCK TEMPERATURE: 170-200°C           |                   |             |
|                           | Properties   | Unit              | Test Method |
| Melt Flow Rate            | 35   | g/10 min          | ASTM D1238  |
| Density                   | 0.918  | g/cm <sup>3</sup> | ASTM D792   |
| Tensile Strength At Break | 9.8  | MPa               | ASTM D638   |
| Elongation                | 600  | %                 | ASTM D638   |
| Stiffness                 | 160  | MPa               | ASTM D747   |
| Melting Point             | 105  | °C                | TPC METHOD  |