

## Noble Polymers Ecobarrier™ 2618 Thermoplastic Olefin (TPO)

Category : Polymer , Thermoplastic , Elastomer, TPE , Olefinic TPE , Thermoplastic Olefinic Elastomer (TPO) , TPO

### Material Notes:

Ecobarrier is a TPO (thermoplastic olefin) produced by Noble Polymers based on olefin/elastomer compounding. Ecobarrier is primarily used as a sound barrier material in low heat applications. Information provided by Noble Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Noble-Polymers-Ecobarrier-2618-Thermoplastic-Olefin-TPO.php](http://www.lookpolymers.com/polymer_Noble-Polymers-Ecobarrier-2618-Thermoplastic-Olefin-TPO.php)

| Physical Properties | Metric                               | English                              | Comments   |
|---------------------|--------------------------------------|--------------------------------------|------------|
| Specific Gravity    | 1.77 g/cc                            | 1.77 g/cc                            | ASTM D792  |
| Melt Flow           | 9.67 g/10 min                        | 9.67 g/10 min                        | ASTM D1238 |
|                     | @Load 2.16 kg,<br>Temperature 230 °C | @Load 4.76 lb,<br>Temperature 446 °F |            |

| Mechanical Properties     | Metric     | English   | Comments   |
|---------------------------|------------|-----------|------------|
| Hardness, Shore A         | 88         | 88        | ASTM D2240 |
| Tensile Strength at Break | 8.101 MPa  | 1175 psi  | ASTM D412  |
| Elongation at Break       | 641 %      | 641 %     | ASTM D412  |
| 2% Secant Modulus         | 0.179 GPa  | 26.0 ksi  | ASTM D790  |
| Tear Strength             | 42.19 kN/m | 240.7 pli | ASTM D624  |

| Processing Properties     | Metric         | English       | Comments          |
|---------------------------|----------------|---------------|-------------------|
| Middle Barrel Temperature | 191 - 218 °C   | 375 - 425 °F  |                   |
| Ejection Temperature      | 26.7 - 54.4 °C | 80.0 - 130 °F | Water Temperature |

## Contact Songhan Plastic Technology Co.,Ltd.

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