

# Ecobarrier® 0918A

Polyolefin

Noble Polymers

## Message:

1.82 g/cc Specific Gravity Flexible TPO for Acoustical Management Applications

Ecobarrier Flexible Thermoplastic Polyolefin (TPO) compounds provide the most cost effective, easily processed material option for injection molded or thermoformed acoustical management applications. Ecobarrier's full range of specific gravity and other physical property options allows you to customize your application needs to achieve the most cost effective sound barrier solution.

Ecobarrier compounds are used in noise reduction applications in the light vehicle through heavy commercial truck industry as well as other transportation and recreational vehicles. Applications include: dash mats, rain shields, closeout panels, seals and engine blankets.

Features Include:

Specific gravity range from 1.20 - 2.50 g/cc

Calcium carbonate and barium sulfate filler options

Various hardness options available

Formulations for injection molding as well as sheet extrusion

Can be formulated utilizing reprocessed base materials

Customized formulations available to meet your specific need

All Ecobarrier products are 100% recyclable

| General Information                       |                           |                   |             |
|---|---------------------------|-------------------|-------------|
| Features                                  | Good Flexibility          |                   |             |
|   | Recyclable Material       |                   |             |
| Uses                                      | Acoustic Barrier          |                   |             |
|   | Automotive Applications   |                   |             |
|   | Automotive Interior Parts |                   |             |
|   | Automotive Under the Hood |                   |             |
| Processing Method                         | Injection Molding         |                   |             |
| Physical                                  | Nominal Value             | Unit              | Test Method |
| Specific Gravity                          | 1.82                      | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 19                        | g/10 min          | ASTM D1238  |
| Mechanical                                | Nominal Value             | Unit              | Test Method |
| Tensile Strength                          | 2.96                      | MPa               | ASTM D638   |
| Tensile Elongation (Break)                | 130                       | %                 | ASTM D638   |
| Flexural Modulus                          | 59.3                      | MPa               | ASTM D790   |

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