

# Ecobarrier® 2014

Polyolefin

Noble Polymers

## Message:

1.40 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	Recyclable materials		
	Good flexibility		
Uses	Sound insulation		
	Parts under the hood of a car		
	Application in Automobile Field		
	Car interior parts		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	4.03	MPa	ASTM D638
Tensile Elongation (Break)	210	%	ASTM D638
Flexural Modulus	134	MPa	ASTM D790

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