

## **ECO-FLEX RTPV**

Thermoplastic Rubber Combining ease of processing and cost-efficiency

### **Automotive Market Brochure**

USCAN





Corners and End Caps

Splash/Stone Shields

Radiator Air Deflectors and Beauty Covers

Shin Spoilers/Bumper Extensions/Aero Shields

#### **ECO-FLEX RTPV benefits**

The following value-added benefits of *ECO-FLEX* RTPV grades offer new opportunities to design and material engineers:

- Lower part cost: 30-50%
- Lower part weight: 20-40% lower SG than SBR/EPDM rubber
- I Enhanced design flexibility: overmolds to PP and PE, heat welding
- I Increased "green" content (recycled rubber content)
- I Increased recyclability (thermoplastic)



Brake Pedal Pads

#### **Cost/Performance Comparison Brake Pedal Pad**

PROPERTY	VIRGIN SBR	ECO-FLEX RTPV
Hardness, Shore A	80	80
Wear Test	Pass	Pass
Specific Gravity	1.4	1.02
Tread Weight, g	80	57
Cycle Time, sec	180	50
Scrap Rate, %	15	<1
Finish Part Cost, \$ per Pad	0.87	0.55





Bumper Extensions/Shin Spoilers



Mudflap

The superior flex fatigue resistance of *ECO-FLEX* RTPV makes it an excellent choice for suspension bellows and dust cover boots.

**ECO-FLEX RTPV Flex Fatigue - Ross Flex** 



Suspension Bellows/ Dust Covers

# ABOUTUS

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