

ECO-FLEX™ RTPV

Why Choose it?



* **DISCLAIMER OF WARRANTY AND LIABILITY:** SYNESIS LLC makes no warranties, express or implied, as to the accuracy or completeness, or of merchantability, fitness for a particular purpose or of any other nature regarding information of this product.

SYNESIS

ECO-FLEX RTPV

Benefits

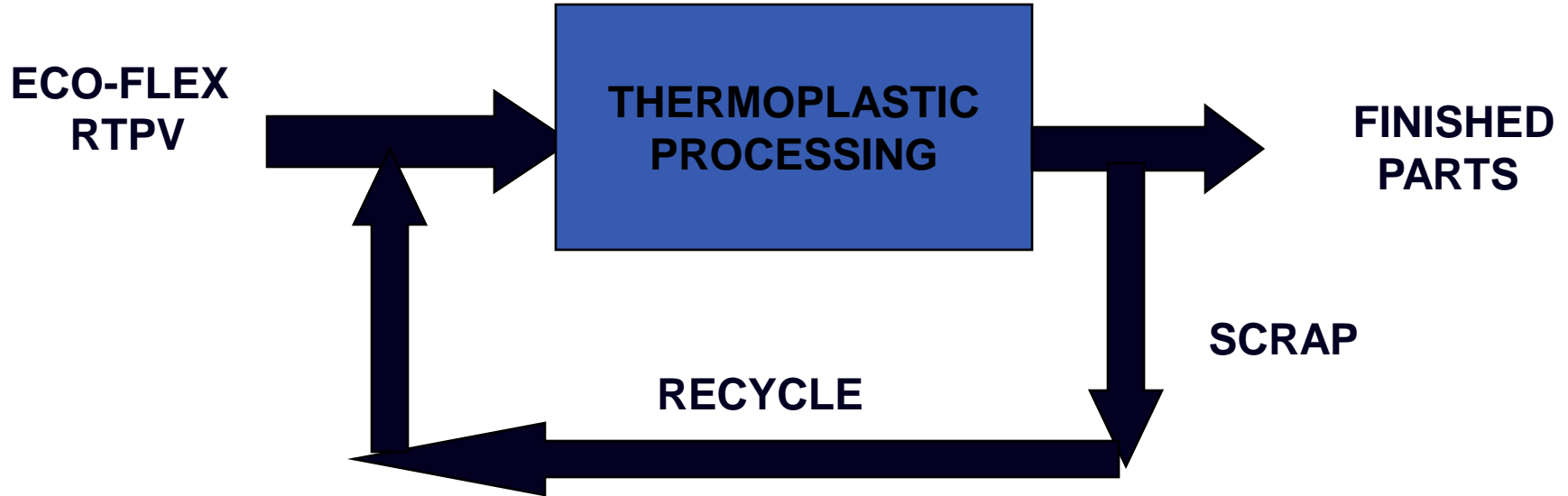
- **No Compounding Required**

SYNESIS

ECO-FLEX RTPV

Benefits

NO COMPOUNDING REQUIRED



SYNESIS

ECO-FLEX RTPV

Benefits

- **No Compounding Required**
- **Rubber Performance**

SYNESIS

ECO-FLEX RTPV PROPERTIES

- **COLOR BLACK**
- **SHORE HARDNESS: 45A - 40D**
- **GOOD MECHANICAL PROPERTIES**
- **GOOD CHEMICAL RESISTANCE**
- **EXCELLENT UV AND OZONE RESISTANCE**

SYNESIS

ECO-FLEX RTPV

Benefits

- **No Compounding Required**
- **Rubber Performance**
- **Lower Finished Part Cost**
 - **Faster Cycles**
 - **Recyclability of Scrap**
 - **Lower Specific Gravity**

SYNESIS

ECO-FLEX RTPV

Cost/Performance Comparison 12" Trash Can Wheel

Item	Virgin SBR	ECO-FLEX
Hardness, Shore A	80	80
Wear Test, 50k Cycles	Pass	Pass
Cold Drop Test, -20 Degrees C	Pass	Pass
Specific Gravity	1.4	1.00
Tread Weight, g	985	240
Cycle Time, Sec	360	40
Scrap Rate, %	15	< 1
Finish Wheel Cost, \$ per Wheel	2.87	1.52

.....

SYNESIS

ECO-FLEX RTPV

Benefits

- **No Compounding Required**
- **Rubber Performance**
- **Lower Finished Part Cost**
 - **Faster Cycles**
 - **Recyclability of Scrap**
 - **Lower Specific Gravity**
- **Design Flexibility**

SYNESIS

ECO-FLEX RTPV

DESIGN FLEXIBILITY

- INJECTION MOLDING**
- INSERT MOLDING**
- EXTRUSION: SHEET/PROFILE**
CO-EXTRUSION
- THERMOFORMING**

SYNESIS

ECO-FLEX RTPV

Benefits

- **No Compounding Required**
- **Rubber Performance**
- **Lower Finished Part Cost**
 - **Faster Cycles**
 - **Recyclability of Scrap**
 - **Lower Specific Gravity**
- **Design Flexibility**
- **Use of Post-Consumer Recycled Rubber**

SYNESIS

ECO-FLEX RTPV

Environmental Benefits



Recycling vs. Landfill/Stockpiling

- **Prolongs Life of Landfills by Reducing Solid Waste**
- **Protects the Environment from the Fire and Health Hazards of Scrap Rubber Stockpiles**

SYNESIS

ECO-FLEX RTPV

Benefits

- **No Compounding Required**
- **Rubber Performance**
- **Lower Finished Part Cost**
 - **Faster Cycles**
 - **Recyclability of Scrap**
 - **Lower Specific Gravity**
- **Design Flexibility**
- **Use of Post-Consumer Recycled Rubber**
- **Easily Recyclable**

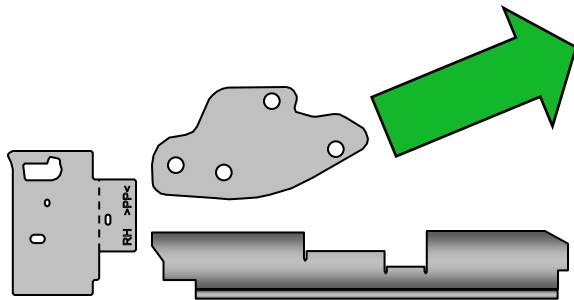
SYNESIS

Closing the Loop

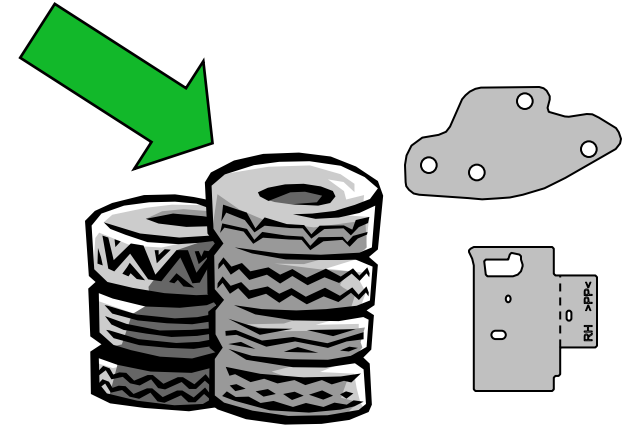
OEM



Automobile



Finished Rubber Parts



Post-Consumer
Rubber Parts



Thermoplastic
Processor

ECO-FLEX RTPV

SYNESIS

ECO-FLEX RTPV

Benefits

- **No Compounding Required**
- **Rubber Performance**
- **Lower Finished Part Cost**
 - **Faster Cycles**
 - **Recyclability of Scrap**
 - **Lower Specific Gravity**
- **Design Flexibility**
- **Use of Post-Consumer Recycled Rubber**
- **Easily recyclable**
- **Minority Content**

SYNESIS