

**Sustainable  
without  
compromise.**



## Eco-Responsible With Uncompromised Performance

- *Post-consumer recycled product*
- *25% recycled material content*
- *Post-application recyclability*
- *High impact resistance*
- *No compromise in performance*
- *Accepts inks and paints*
- *Machinable & thermoformable*

Interstate Advanced Materials Renovo-HIPST™ is a post-consumer recycled styrene sheet featuring 25% recycled content.

Post-consumer Renovo-HIPST™ retains the physical properties and benefits of virgin High Impact Polystyrene (HIPS) without compromise, including excellent impact strength, dimensional stability, and ink and paint adhesion. This is a workable material that may be cut, bent, drilled, adhered/bonded, fabricated, drilled, and machined.

Renovo-HIPST™ is polystyrene (recycle code 6) and may be recycled as a post-consumer or post-industrial product. Before recycling, check with local recycling facilities to determine where collection and recycling are handled.

### Typical Properties\*

Property*	Test Method	Units	Values
<b>PHYSICAL</b>			
Specific Gravity	ASTM D792	--	1.03
Water Absorption	ASTM D570	%	0.06
<b>MECHANICAL</b>			
Tensile Strength, Yield	ASTM D638	psi	3300
Tensile Strength, Break	ASTM D638	psi	3100
Tensile Elongation, Break	ASTM D638	%	45
Flexural Properties	ASTM D790	psi	280,000
Izod Impact, 1/4" notch	ASTM D256	ft-lb/in.	2.0
Gardner Impact, Method G	ASTM D3029	in-lb.	40
<b>THERMAL</b>			
Melt Flow Condition G	ASTM D1238	g/10min	2.6
Vicat Softening Temperature	ASTM D1525	°F	215
Deflection Temperature, Unannealed	ASTM D648	°F	190
Thermal Expansion	ASTM D696	1°F	4.5 x 10 <sup>-5</sup>
<b>FLAMMABILITY**</b>			
Flammability Class	UL94	--	HB**

\*Typical properties are not to be construed as specifications. As the conditions of use are beyond our control, Interstate Advanced Materials assumes no responsibility and expressly disclaims any liability for any use of this material. Information contained herein is believed to be true and accurate, however, is not guaranteed.

\*\*Flammability Class / UL94 - Based on standard certification by our Resin Supplier, the material tested is an injection molded part at .062 mil thick. The resin used to make styrene sheet passes at .062 mil thickness or greater. Styrene sheet is not tested for flammability.

Note - finished sheet with inks and coatings must be tested to insure it will or will not pass the flammability class of 94HB.

**Contact Information:**  
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**RENOVO-HIPST™**  
 INTERSTATE ADVANCED MATERIALS

**Shop Online**  
[www.interstateam.com](http://www.interstateam.com)