

EccoFlex™ Technical Data Sheet

What is **EccoFlex™**? Made of 40-50% pre-consumer recycled material, EccoFlex is a recycled grade of a proprietary thermoplastic sheet that is cost competitive with other grades of thermoplastic sheet while offering improved performance.

Technical Features:

- Formulated to substitute for FR-ABS.
- Very good impact resistance.
- Easy to form with excellent part definition and deep-draw characteristics.
- Recognized by Underwriter's Laboratories, Inc® for Std 94 V-0, 5V.
- Similar forming times to FR-ABS.

Aesthetic Features:

- High Quality appearance.
- Ease of "on the job" fabrication.
- Ability to be bent and/or die cut to almost any shape needed, i.e., furniture parts, molding, tables, etc.
- Can be painted to meet consumer's specific color request. Please contact Surface Materials at 440.248.0000 for more information on painting guidelines and specifics.

Physical Properties:

Property	Test Method	Value	
Specific Gravity	ASTM D-792	1.35	
Tensile Strength	ASTM D-638	41 MPa	6,000 psi
Flexural Strength	ASTM D-790	65.5 MPa	9,300 psi
Modulus of Elasticity	ASTM D-790	2,480 MPa	360,000 psi
Notched Izod Impact Resistance, @ 23°C (73°F)	ASTM D-256	427 J/m	8 ft-lbs/in
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	ASTM D-648	73.9°C 165°F	165°F
Flammability: Underwriter's Laboratories, Inc® Component Recognition	UL Standard 94	V-0, 5V	
Mold Shrinkage % (male mold)		0.40 – 0.60	
Not intended for specification purposes.			