



Prime Clear-X 200 was designed and developed specifically for rigid packaging markets. Prime Clear-X 200 offers a remarkable combination of toughness, clarity, stiffness, tear resistance, low stress whitening, cost and good hinge properties.



Prime Clear-X 200

Prime Clear-X	High	Avg.
Impact Strength		*
Low Temperature Impact Strength	*	
Tensile Strength	*	
Flexural Modulus	*	
Heat Deflection Temperature		*

Applications:

The above features make this product suitable for retail clam shell packaging. Applications include electronics, toys, pharmaceutical, medical, personal care and consumer goods. It is rated for medical tray applications (USP Class VI-500) and complies with FDA regulation 21 CFR 177.1640.

Finishing:

Options for the joining and bonding of Prime Clear-X 200 include heat sealing, solvent bonding, ultrasonic welding and adhesive bonding. RF Welding is not recommended. Trim tooling should be sharp and clear of burrs for a clean cut. Dull trim tooling will result in "fuzz" trim. This product can be sterilized by three types of processes; Gamma, Eto, and E-Beam.

Property	Test Method	Value	Unit
Tensile Strength *	D638	4,600	psi
Elongation @ Break *	D638	30	%
Flexural Strength *	D790	7,000	psi
Flexural Modulus *	D790	250,000	psi
Instrumented Impact Total Energy	D3763	81	ln/lbs
Vicat Softening point *	D1525	200	°F
Heat Deflection Temp. @ 66 psi. Annealed *	D648	170	°F
Mold Shrinkage *	D955	0.004-0.007	ln/in
Specific Gravity	D792	1.03	g/cc
Haze	D1003	3-4	%

Complies with FDA Regulation 21 CFR 177.1640

*Test results based on injection molded test bars.

All other property values are based on 0.030" extruded sheet.

Processing:

For the fabricator, Prime Clear-X 200 is easily and economically processed using conventional processing techniques. Options for part denesting include use of a silicone bath during sheet production or an internal denest additive.

Colors, Textures and Capabilities:

Prime Clear-X 200 is compatible with HIPS or GP carriers so it may be color matched to meet your specific requirements. Textures are available but smooth is the primary surface.

Please contact your Piedmont Plastics representative for more information on finishing, fabricating, or the thermoforming process.

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