



Material: **API II 550HF**

Product Description: API II 550HF is a high impact grade of polystyrene. It is characterized by good impact and processability. It offers good retention of mechanical properties in applications with long flow length requirements. Complies with FDA regulation 21 CFR 177.1640.

Application: Large grills, panels, frames or displays where optimum gloss and aesthetic appeal is required.

Property	Data	Unit	Test Method
Mechanical			
Tensile Strength at Failure	3,000	psi	ASTM D 638
Tensile Modulus	310,000	psi	ASTM D 638
Flexural Modulus	295,000	psi	ASTM D 790
Elongation at Failure	58.0	%	ASTM D 638
Rockwell Hardness	47	L Scale	ASTM D 785
Impact			
Izod Impact Strength	2.0 *	ft.lbs./inch	ASTM D 256
Thermal			
Vicat Softening Point	195	deg. F	ASTM D 1525
Deflection Temperature (annealed) @ 264 psi	178	deg. F	ASTM D 648
Physical			
Melt Flow (Condition G)	14.0	gr./ 10 min.	ASTM D 1238
Specific Gravity	1.04	gr./ cc	ASTM D 892

* Test results obtained using 1/8 inch notched injection molded specimen

The test results and property values listed have been obtained using laboratory controlled test methods. These values are intended to be a guide only. They are offered without guarantee since conditions under which our product is used are beyond our control. API II, therefore, disclaims any liability for loss or damage incurred in connection with this products use. Rev 05/08

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