



Material: **API II 550**

Product Description: API II 550 is a high impact grade of polystyrene. It is characterized by good impact, gloss and processability. Complies with FDA regulation 21 CFR 177.1640.

Application: API II 550 is used in housewares, toys, containers, appliance parts, speaker housings, medical devices and various types of extrusions.

Property	Data	Unit	Test Method
Mechanical			
Tensile Strength at Failure	3,100	psi	ASTM D 638
Tensile Modulus	300,000	psi	ASTM D 638
Flexural Modulus	250,000	psi	ASTM D 790
Elongation at Failure	50.0	%	ASTM D 638
Rockwell Hardness	47	L Scale	ASTM D 785
Impact			
Izod Impact Strength	2.2 *	ft.lbs./inch	ASTM D 256
Thermal			
Vicat Softening Point	200	deg. F	ASTM D 1525
Deflection Temperature (annealed) @ 264 psi	178	deg. F	ASTM D 648
Physical			
Melt Flow (Condition G)	8.0	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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