



Material: **API II 650**

Product Description: API II 650 has been developed for injection molding applications that need a higher degree of toughness and gloss than conventional polystyrene. This polymer approaches ABS type properties. Complies with FDA regulation 21 CFR 177.1640.

Application: Widely used in appliance housings, toys, bathroom accessories and displays.

Property	Data	Unit	Test Method
Mechanical			
Tensile Strength at Failure	3,100	psi	ASTM D 638
Tensile Modulus	298,000	psi	ASTM D 638
Flexural Modulus	290,000	psi	ASTM D 790
Elongation at Failure	48.0	%	ASTM D 638
Rockwell Hardness	50	M Scale	ASTM D 785
Impact			
Izod Impact Strength	2.7 *	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 07/08

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