



**Material:** **API II 392**

**Product Description:** API II 392 is a general purpose polystyrene produced in pellet form for injection molding. It has excellent clarity and high flow.

**Application:** Used in the manufacture of containers, housewares, toys and medical applications. Complies with FDA regulation 21 CFR 177.1640.

Property	Data	Unit	Test Method
<b>Mechanical</b>			
Tensile Strength at Failure	5,700	psi	ASTM D 638
Tensile Modulus	420,000	psi	ASTM D 638
Elongation at Failure	1.0	%	ASTM D 638
Rockwell Hardness	76	M Scale	ASTM D 785
<b>Impact</b>			
Izod Impact Strength	0.4 *	ft.lbs./inch	ASTM D 256
<b>Thermal</b>			
Vicat Softening Point	208	deg. F	ASTM D 1525
Deflection Temperature (annealed) @ 264 psi	190	deg. F	ASTM D 648
<b>Physical</b>			
Melt Flow (Condition G)	12.0	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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