



Material: **API II 390**

Product Description: API II 390 is a general purpose polystyrene produced in pellet form for injection molding and extrusion. API 390 has excellent clarity and easy flow.

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

Property	Data	Unit	Test Method
Mechanical			
Tensile Strength at Failure	5,300	psi	ASTM D 638
Tensile Modulus	437,000	psi	ASTM D 638
Elongation at Failure	1.5	%	ASTM D 638
Rockwell Hardness	74	M Scale	ASTM D 785
Impact			
Izod Impact Strength	0.4 *	ft.lbs./inch	ASTM D 256
Thermal			
Vicat Softening Point	209	deg. F	ASTM D 1525
Deflection Temperature (annealed) @ 264 psi	194	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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