



Material: **API II 395**

Product Description: API II 395 is one of the highest flowing crystal polystyrenes commercially available. It is produced in pellet form for injection molding and compounding. This material is designed for hard to fill applications. Complies with FDA regulation 21 CFR 177.1640.

Application: Used in the manufacture of housewares, light diffusers, medical applications and as a base resin for color concentrate producers.

Property	Data	Unit	Test Method
Mechanical			
Tensile Strength at Failure	6,900	psi	ASTM D 638
Tensile Modulus	430,000	psi	ASTM D 638
Elongation at Failure	1.0	%	ASTM D 638
Rockwell Hardness	71	L Scale	ASTM D 785
Impact			
Izod Impact Strength	0.25 *	ft.lbs./inch	ASTM D 256
Thermal			
Vicat Softening Point	200	deg. F	ASTM D 1525
Deflection Temperature (annealed) @ 264 psi	185	deg. F	ASTM D 648
Physical			
Melt Flow (Condition G)	20.0	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

API II, INC.

11421 Labrador Lane, Concord, OH 44077
440-725-9019

WWW.API2.NET