

API II 395

General Purpose Polystyrene

API II, Inc.

Message:

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.

General Information	
Features	High liquidity
Uses	Household goods
	Color masterbatch
	Medical/nursing supplies
	Illumination diffuser
Agency Ratings	FDA 21 CFR 177.1640
Forms	Particle
Processing Method	Composite
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D892
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (L-Scale)	71		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2960	MPa	ASTM D638
Tensile Strength (Break)	47.6	MPa	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	13	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	93.3	°C	ASTM D1525

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Recommended distributors for this material

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