API PS 370-21

General Purpose Polystyrene

American Polymers, Inc.

Message:

API PS 370-21 is a General Purpose Polystyrene material. It is available in North America for blow molding, extrusion, or injection molding.
Important attributes of API PS 370-21 are:
Clarity
Fast Molding Cycle
Heat Resistant
High Strength
Typical applications include:
Consumer Goods
Containers
Household Applications
Medical/Healthcare

General Information	
Features	Fast Molding Cycle High Clarity High Heat Resistance High Strength
Uses	Containers Household Goods Medical/Healthcare Applications Toys
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Blow Molding Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.0	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (L-Scale)	90		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2590	MPa	ASTM D638
Tensile Strength (Break)	50.7	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**

Notched Izod Impact (3.18 mm)	19	J/m	ASTM D256

Injection	Nominal Value	Unit
Drying Temperature	71.1 to 82.2	°C
Drying Time	2.0	hr
Suggested Max Regrind	30	%
Rear Temperature	177 to 232	°C
Front Temperature	191 to 274	°C
Mold Temperature	-6.67 to 71.1	°C
Injection Pressure	34.5 to 276	MPa
Back Pressure	0.0689 to 3.45	MPa

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China