

ESTASTIR HI 0412

High Impact Polystyrene

Cossa Polimeri S.r.l.

Message:

ESTASTIR HI 0412 is a High Impact Polystyrene product. It can be processed by extrusion or injection molding and is available in Europe. Applications of ESTASTIR HI 0412 include consumer goods and household applications.

Characteristics include:

- Flame Rated
- Heat Resistant
- Impact Resistant

General Information			
Features	High Heat Resistance		
	High Impact Resistance		
Uses	Footwear		
	Household Goods		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	22.0	MPa	
Break	25.0	MPa	
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	1900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	80	J/m	
23°C	120	J/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	98.0	°C	ASTM D1525 ¹
--	89.0	°C	ASTM D1525 ²
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	

1.60 mm	HB
3.20 mm	HB
NOTE	
1.	Rate A (50°C/h), Loading 1 (10 N)
2.	Rate A (50°C/h), Loading 2 (50 N)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

