

# ESTASTIR HI 1012

General Purpose Polystyrene

Cossa Polimeri S.r.l.

Message:

ESTASTIR HI 1012 is a General Purpose Polystyrene product. It is available in Europe. Applications of ESTASTIR HI 1012 include business/office goods and housings.

Characteristics include:

- Flame Rated
- Good Flexibility
- Impact Resistant

General Information			
UL YellowCard	E194157-499402		
Features	Good Flexibility		
	Good Flow		
	High Impact Resistance		
Uses	Business Equipment		
	Stationary Supplies		
	Television Housings		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	10	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	16.0	MPa	
Break	22.0	MPa	
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	60	J/m	
23°C	90	J/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	95.0	°C	ASTM D1525 <sup>1</sup>
--	86.0	°C	ASTM D1525 <sup>2</sup>
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)

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