

ESTASTIR HI 0810 V0

High Impact Polystyrene

Cossa Polimeri S.r.l.

Message:

ESTASTIR HI 0810 V0 is a High Impact Polystyrene product. It is available in Europe. Applications of ESTASTIR HI 0810 V0 include business/office goods and housings.

Characteristics include:

- Flame Rated
- Flame Retardant
- Good Processability
- Good UV Resistance
- Halogen Free

General Information			
Features	Bromine Free		
	Flame Retardant		
	Good Flow		
	Good Processability		
	Good UV Resistance		
	High Impact Resistance		
Uses	Business Equipment		
	Television Housings		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	9.0	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	28.0	MPa	
Break	25.0	MPa	
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	80	J/m	
23°C	100	J/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	98.0	°C	ASTM D1525 ¹

--	87.0	°C	ASTM D1525 ²
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Ignition Temperature (2.00 mm)	960	°C	IEC 60695-2-13
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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