

ESTASTIR HI 0508 V0

High Impact Polystyrene

Cossa Polimeri S.r.l.

Message:

ESTASTIR HI 0508 V0 is a High Impact Polystyrene product. It is available in Europe. Typical application: Electrical/Electronic Applications.

Characteristics include:

Flame Rated

Flame Retardant

Good Processability

Halogen Free

Heat Resistant

General Information			
Features	Bromine Free		
	Flame Retardant		
	Good Impact Resistance		
	Good Processability		
	High Heat Resistance		
Uses	Electrical/Electronic Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.0	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	27.0	MPa	
Break	23.0	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	70	J/m	
23°C	100	J/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	99.0	°C	ASTM D1525 ¹
--	88.0	°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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