

ESTADIENE 4009

Acrylonitrile Butadiene Styrene

Cossa Polimeri S.r.l.

Message:

ESTADIENE 4009 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Europe. Typical application: Engineering/Industrial Parts.

Characteristics include:

- Flame Rated
- Impact Resistant
- Good Processability
- High Gloss

General Information			
Features	Good Processability		
	High Gloss		
	High Impact Resistance		
	Low Temperature Impact Resistance		
Uses	Engineering Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 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	31.0	MPa	
Break	24.0	MPa	
Tensile Elongation (Break)	4.2	%	ASTM D638
Flexural Modulus	1800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	300	J/m	
0°C	380	J/m	
23°C	430	J/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	106	°C	ASTM D1525 ¹
--	96.0	°C	ASTM D1525 ²
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	HB		

3.20 mm	HB		
Glow Wire Ignition Temperature (2.00 mm)	650	°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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