

# ESTADIENE 0420 HHT

Acrylonitrile Butadiene Styrene

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Message:

ESTADIENE 0420 HHT is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by extrusion or injection molding and is available in Europe. Applications of ESTADIENE 0420 HHT include engineering/industrial parts and sheet.

Characteristics include:

- Flame Rated
- Heat Resistant
- Impact Resistant

General Information			
Features	Good Impact Resistance		
	High Heat Resistance		
Uses	Engineering Parts		
	Profiles		
	Sheet		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 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	58.0	MPa	
Break	45.0	MPa	
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2700	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	150	J/m	
23°C	200	J/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	125	°C	ASTM D1525 <sup>1</sup>
--	115	°C	ASTM D1525 <sup>2</sup>

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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#### Recommended distributors for this material

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