

# ESTADIENE 1640 AS

Acrylonitrile Butadiene Styrene

Cossa Polimeri S.r.l.

PROSPECTOR®

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## Technical Data

### Product Description

ABS general purpose, good impact resistance, high melt flow rate, high gloss, with antistatic, excellent processability.

Domestic appliances, bath furniture, office furniture.

### General

Material Status	• Commercial: Active		
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>		
Search for UL Yellow Card	• <a href="#">Cossa Polimeri S.r.l.</a>		
Availability	• Europe		
Additive	• Antistatic		
Features	• Antistatic • Excellent Processability	• General Purpose • Good Impact Resistance	• High Flow • High Gloss
Uses	• Appliances • Bathroom Accessories	• Furniture • General Purpose	
Forms	• Pellets		

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity <sup>3</sup>	1.05 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	40 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	44.0 MPa	
Break	39.0 MPa	
Tensile Elongation (Break)	18 %	ASTM D638
Flexural Modulus	2600 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact		ASTM D256
0°C	130 J/m	
23°C	160 J/m	

Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature		
--	102 °C	ASTM D1525 <sup>4</sup>
--	94.0 °C	ASTM D1525 <sup>5</sup>

Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
1.6 mm	HB	
3.2 mm	HB	
Glow Wire Ignition Temperature (2.0 mm)	650 °C	IEC 60695-2-13

### Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

<sup>3</sup> 23°C

<sup>4</sup> Rate A (50°C/h), Loading 1 (10 N)

<sup>5</sup> Rate A (50°C/h), Loading 2 (50 N)



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Where to Buy

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Supplier

**Cossa Polimeri S.r.l.**  
, Italy  
**Telephone:** +39-331-607811  
**Web:** <http://www.cossapolimeri.it/>

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Distributor

Please contact the supplier to find a distributor for ESTADIENE 1640 AS

