

ESTADIENE 1030 V0

Acrylonitrile Butadiene Styrene

Cossa Polimeri S.r.l.

PROSPECTOR[®]

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Technical Data

Product Description

ABS flame retardant class V0, PBDE free, good impact resistance, high gloss, good light resistance, excellent processability.

Electrical field, furnishing.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
UL Yellow Card ²	• E194157-227561		
Search for UL Yellow Card	• Cossa Polimeri S.r.l.		
Availability	• Europe		
Additive	• Flame Retardant		
Features	• Bromine Free • Excellent Processability	• Flame Retardant • Good Impact Resistance	• High Gloss • UV Resistant
Uses	• Electrical/Electronic Applications	• Furniture	
Forms	• Pellets		

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity ⁴	1.20 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	25 g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.60 %	ASTM D955

Mechanical	Nominal Value Unit	Test Method
Tensile Strength		ASTM D638
Yield	40.0 MPa	
Break	33.0 MPa	
Tensile Elongation (Break)	4.0 %	ASTM D638
Flexural Modulus	2500 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact		ASTM D256
0°C	110 J/m	
23°C	130 J/m	

Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature		
--	102 °C	ASTM D1525 ⁵
--	93.0 °C	ASTM D1525 ⁶

Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
1.6 mm	V-0	
3.2 mm	V-0	
Glow Wire Ignition Temperature (2.0 mm)	960 °C	IEC 60695-2-13

Notes

¹ 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.

² A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

³ Typical properties: these are not to be construed as specifications.

⁴ 23°C

⁵ Rate A (50°C/h), Loading 1 (10 N)

⁶ Rate A (50°C/h), Loading 2 (50 N)



Where to Buy

Supplier

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

Distributor

Please contact the supplier to find a distributor for ESTADIENE 1030 V0

