

## Cossa Polimeri ESTADIENE 1030 V0/F Flame Retardant ABS

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Unreinforced, Flame Retardant

### Material Notes:

Acrylonitrile Butadiene Styrene Flame retardant class V0, PBDE free, high melt flow rate, good impact resistance, high gloss, good light resistance, excellent processability Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Cossa-Polimeri-ESTADIENE-1030-V0F-Flame-Retardant-ABS.php](http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTADIENE-1030-V0F-Flame-Retardant-ABS.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	ASTM D 792
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ASTM D 955
Melt Flow	50 g/10 min @Load 10.0 kg, Temperature 220 °C	50 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	31.0 MPa	4500 psi	ASTM D 638
Tensile Strength, Yield	40.0 MPa	5800 psi	ASTM D 638
Elongation at Break	5.0 %	5.0 %	ASTM D 638
Flexural Modulus	2.50 GPa	363 ksi	ASTM D 790
Izod Impact, Notched	0.900 J/cm @Temperature 0.000 °C	1.69 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	1.20 J/cm @Temperature 23.0 °C	2.25 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	93.0 °C @Load 5.00 kg	199 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
	103 °C @Load 0.999 kg	217 °F @Load 2.20 lb	50°C/hr; ASTM D 1525
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	
	V-0	V-0	

Thermal Properties	@Thickness 3.20 mm Metric	@Thickness 0.126 in English	Comments
Glow Wire Test	960 °C	1760 °F	I.E.C. 695-2-1

## Contact Songhan Plastic Technology Co.,Ltd.

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