

Cossa Polimeri ESTADIENE 1218 V0/B 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, good impact resistance, excellent processability, good surface appearance
Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTADIENE-1218-V0B-Flame-Retardant-ABS.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ASTM D 792
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ASTM D 955
Melt Flow	45 g/10 min @Load 10.0 kg, Temperature 220 °C	45 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ASTM D 638
Tensile Strength, Yield	45.0 MPa	6530 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	85.0 °C @Load 5.00 kg	185 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
	95.0 °C @Load 0.999 kg	203 °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

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