

Cossa Polimeri ESTADIENE 1218 V0 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, good thermal resistance. Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTADIENE-1218-V0-Flame-Retardant-ABS.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 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	25 g/10 min @Load 10.0 kg, Temperature 220 °C	25 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 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
	1.10 J/cm @Temperature 23.0 °C	2.06 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	94.0 °C @Load 5.00 kg	201 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
	104 °C @Load 0.999 kg	219 °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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