

Cossa Polimeri ESTADIENE 1218 HT 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, high 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-HT-V0-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	5.0 g/10 min	5.0 g/10 min	ASTM D 1238
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	
	18 g/10 min	18 g/10 min	ASTM D 1238
	@Load 5.00 kg, Temperature 240 °C	@Load 11.0 lb, Temperature 464 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ASTM D 638
Tensile Strength, Yield	47.0 MPa	6820 psi	ASTM D 638
Elongation at Break	15 %	15 %	ASTM D 638
Flexural Modulus	2.60 GPa	377 ksi	ASTM D 790
Izod Impact, Notched	0.700 J/cm	1.31 ft-lb/in	ASTM D 638
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	1.00 J/cm	1.87 ft-lb/in	ASTM D 256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Hot Ball Pressure Test	105 °C	221 °F	I.E.C. 335-1
Vicat Softening Point	114 °C	237 °F	50°C/hr; ASTM D 1525
	@Load 5.00 kg	@Load 11.0 lb	
	123 °C	253 °F	50°C/hr; ASTM D 1525
	@Load 0.999 kg	@Load 2.20 lb	

Thermal Properties	Metric	English	Comments
Flammability, UL94	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-0	V-0	
	@Thickness 3.20 mm	@Thickness 0.126 in	
Glow Wire Test	960 °C	1760 °F	I.E.C. 695-2-1

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