

Cossa Polimeri ESTABLEND 8500 V0 HF Flame Retardant PC - ABS

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

PC - ABS Blend Flame retardant class V0, chlorine and bromine free, good light resistance, good thermal and mechanical properties, excellent processability. Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTABLEND-8500-V0-HF-Flame-Retardant-PC-ABS.php

| Physical Properties | Metric | English | Comments |
|-----------------------|---|---|-------------|
| Density | 1.20 g/cc | 0.0434 lb/in ³ | ASTM D 792 |
| Linear Mold Shrinkage | 0.0050 - 0.0070 cm/cm | 0.0050 - 0.0070 in/in | ASTM D 955 |
| Melt Flow | 20 g/10 min @Load 5.00 kg, Temperature 240 °C | 20 g/10 min @Load 11.0 lb, Temperature 464 °F | ASTM D 1238 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------------------------------|---------------------------------------|------------|
| Tensile Strength at Break | 60.0 MPa | 8700 psi | ASTM D 638 |
| Tensile Strength, Yield | 70.0 MPa | 10200 psi | ASTM D 638 |
| Elongation at Break | >= 50 % | >= 50 % | ASTM D 638 |
| Flexural Modulus | 2.50 GPa | 363 ksi | ASTM D 790 |
| Izod Impact, Notched | 5.00 J/cm @Temperature 0.000 °C | 9.37 ft-lb/in @Temperature 32.0 °F | ASTM D 638 |
| | 5.50 J/cm @Temperature 23.0 °C | 10.3 ft-lb/in @Temperature 73.4 °F | ASTM D 256 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|---------------------------|-----------------------------|----------------------|
| Vicat Softening Point | 130 °C @Load 5.00 kg | 266 °F @Load 11.0 lb | 50°C/hr; ASTM D 1525 |
| | 135 °C @Load 0.999 kg | 275 °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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