

Shuman FR380 Grey PC/ABS Alloy, Flame Retardant

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

Material Notes:

Excellent flame retardancy, good impact strength, easy processability, good surface gloss, good chemical resistance, self extinguishing

Formerly Shuman FR705 ABS/PC Alloy Information provided by Shuman Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shuman-FR380-Grey-PCABS-Alloy-Flame-Retardant.php

| Physical Properties | Metric | English | Comments |
|---------------------|-------------------|---------------------------|------------|
| Density | 1.13 g/cc | 0.0408 lb/in ³ | ASTM D792 |
| Melt Flow | 4.0 - 10 g/10 min | 4.0 - 10 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|--|---|-----------|
| Tensile Strength | 48.3 MPa | 7000 psi | ASTM D638 |
| Flexural Modulus | 2.21 - 2.62 GPa | 320 - 380 ksi | ASTM D790 |
| Izod Impact, Notched | 4.00 - 5.61 J/cm @Thickness 3.17 mm | 7.50 - 10.5 ft-lb/in @Thickness 0.125 in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|--------------------|---------------------------|-----------------------------|----------|
| Flammability, UL94 | V-0 @Thickness 1.57 mm | V-0 @Thickness 0.0618 in | |

| Processing Properties | Metric | English | Comments |
|------------------------|---|---|---------------------|
| Processing Temperature | 238 - 277 Å°C | 460 - 530 Å°F | |
| Drying Temperature | 79.4 - 110 Å°C @Time 10800 - 14400 sec | 175 - 230 Å°F @Time 3.00 - 4.00 hour | Dehumidifying Dryer |

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