

Shuman FR310 Utility Black 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-FR310-Utility-Black-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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