

Shuman 790 Black and Custom Colors ABS-Flame Retardant

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Unreinforced, Flame Retardant

Material Notes:

Excellent flame retardancy, good impact strength, good chemical resistance, good wear and abrasion resistance. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shuman-790-Black-and-Custom-Colors-ABS-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ASTM D792
Melt Flow	1.2 g/10 min	1.2 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	45.0 MPa	6530 psi	ASTM D638
Izod Impact, Notched	2.14 J/cm	4.01 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	93.0 Âµm/m-Â°C @Temperature 20.0 Â°C	51.7 Âµin/in-Â°F @Temperature 68.0 Â°F	ASTM D696
Flammability, UL94	V-0 @Thickness 2.54 mm	V-0 @Thickness 0.100 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	250 V	250 V	UL 746A
Hot Wire Ignition, HWI	33.4 sec	33.4 sec	UL 746A
High Amp Arc Ignition, HAI	199.4 arcs	199.4 arcs	UL 746A
High Voltage Arc-Tracking Rate, HVTR	149.0 mm/min	5.866 in/min	UL 746A

Processing Properties	Metric	English	Comments
Processing Temperature	177 - 216 Â°C	351 - 421 Â°F	Extrusion
	204 - 227 Â°C	399 - 441 Â°F	Injection

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