

Data Sheet

Endura® FR-6710-2

Flame Retardant Polypropylene Copolymer Compound

Endura® FR-6710-2 is a flame-retardant polypropylene copolymer suitable for use in sheet extrusion.

In comparison to competitive products, FR-6710-2 exhibits a lower flow and superior impact properties.

The flame-retardant system of Endura® FR-6710-2 is a halogenated system with antimony oxide synergists.

Typical Properties*

Properties	Test method ASTM	Unit	English Value
Mechanical properties			
Tensile Stress at Yield	ASTM D-638	psi	2694
Tensile Stress at Break	ASTM D-638	psi	3730
Tensile Elongation at Yield	ASTM D-638	%	20
Flexural Modulus	ASTM D-790	psi	134,000
Izod Notched Impact Strength .125 in	ASTM D-256	ft-lbs/in	11.4
Processing			
Nominal Melt Flow Rate	ASTM D-1238 'L'	g/10 min	0.96
Flammability			
UL 94 0.125 in	UL 94	class	V-0
Miscellaneous properties			
Density	ASTM D-792	g/cm ³	1

Handling and Use

Endura® flame-retardant concentrates are considered to be non-hazardous under normal conditions. Material Safety Data Sheets are available. You are encouraged to read and understand these documents before using the product. Since these products are used at elevated temperatures, fumes may be generated under some use conditions. Ventilation is necessary to minimize employee exposure to these fumes.

Packaging and Samples

Standard packaging for concentrates is in 1,000-lb boxes, lined and on pallets. Optional are 250-lb fiber drums and 50-lb bags. To meet particular needs, boxes up to 1,400 lb can be supplied. Samples are available on request.

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