

Polystone® M Flame Retardant - ASTM (Ultra-high molecular weight polyethylene)

Product characteristics

- Flame retardant and self-extinguishing
- Antistatic
- Temperature resistant

Product applications

- Mechanical engineering
- Electrical industry
- Packaging industry

	Test method	Unit	Guideline Value
General properties			
Carbon Black Content	ISO6964	%	n/a
Thermal properties			
Melting Point		°F	266-275
Maximum Service Temperature, Air		°F	180
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 ⁻⁴	2
Electrical properties			
Volume Resistivity	ASTM D257	Ωcm	>10 ¹⁵
Dielectric constant	ASTM D150	1 MHz	2.3
Surface resistivity	ASTM D257	Ω/cm	>10 ¹²
Compliance Properties			
MSHA Approved for underground mining			Yes

The data stated above are average values ascertained by statistical tests on a regular basis. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.