



**PRIME 2000 CONDUCTIVE / FLAME RETARDANT
HIGH DENSITY POLYETHYLENE**

***Designed specifically for mine vent applications, meets the requirements
for electrical resistivity and flame retardancy.***

TECHNICAL DATA

<u>PROPERTIES¹</u>	<u>ISO</u>	<u>VALUE</u>
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PHYSICAL

Density	g/cc	1183	1.07
Melt Flow (190°C/5kg)	g/10min	1133	0.3-0.5

MECHANICAL

Izod Impact, notched,	kJ/m ²	23°C	180/A	5
Stress at yield	MPa	50mm/min.	527/2	25
Stress at break	MPa	50mm/min	527/2	27
Strain at break	%	50mm/min	527/2	> 500
Flexular Modulus	MPa		178	1500
Shore D hardness			868	58

THERMAL & ELECTRICAL

VST@10N (VST/A)	%	306	125
HDT@0.45MPa (HDT/B) °C		75	90
Volume resistivity	Ωcm		<1x10 ⁵
Surface Resistance	Ω		<1x10 ⁵
Additional accreditation		AS1160.13A:1983	PASS

FLAMABILITY RATING

Flame retardancy	AS1180.10B:1982	PASS
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¹All data quoted on this data sheet is for guidance only.

Material safety data sheet available on request.