

Firestone

PLASTICS COMPANY



FPC

VINYL COMPOUNDS

FPC 5000B

FPC 5000B is a flame retardant compound designed to meet the requirements for MIL-C-915E Naval Shipboard Special Purpose Jacket.

PHYSICAL PROPERTIES

<u>Characteristic</u>	<u>Test Method</u>	<u>Value</u>
Specific Gravity	ASTM D-792	1.29
Hardness, Shore Durometer	ASTM D-2240	
Instantaneous		95A
15 Second Delay		91A
<u>50 Mil Plaque Data - Die C</u>		
Tensile Strength, psi	ASTM D-412	2800
Modulus at 100% Elongation, psi	ASTM D-412	1600
Ultimate Elongation, %	ASTM D-412	320

THERMAL PROPERTIES

50 Mil Plaque Data - Die C

Heat Aging	7 Days at 136°C	
Retention of Tensile, %		100
Retention of Elongation, %		90
Hot Oil Immersion	18 Hours at 121°C	
Retention of Elongation, %	Symbol #2190 TEP Oil	70
Oxygen Index		28.5
Brittleness Temperature, °C.	ASTM D-746	-36

Suggested stock extrusion temperature range, °F: 360-380
ASTM Classification: ASTM D-2287. Type PVC 63607EOX

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