

Firestone

PLASTICS COMPANY



FPC

VINYL COMPOUNDS

FPC 5460

FPC 5460 has been designed for Flexible Cord and Appliance Wire Insulation at .030" wall thickness. Its maximum temperature rating is 80°C.

<u>Characteristic</u>	<u>Physical Properties Test Method</u>	<u>Value</u>
Specific Gravity	ASTM D-792	1.36
Hardness, Shore Durometer Instantaneous	ASTM D-2240	85A
<u>14 A.W.G., .030" wall data</u>		
Tensile Strength, psi	ASTM D-412	2100
Modulus at 100% Elongation, psi	ASTM D-412	1250
Ultimate Elongation, %	ASTM D-412	280

Electrical Properties

<u>50 mil plaque data</u>		
Volume Resistivity at 60°C (ohm-cm X 10 ¹²)	ASTM D-257	5.0
<u>14 A.W.G., .030" wall data</u>		
Insulation Resistance (Megohms/M ft.)	ASTM D-257 6 hrs. at 23°C-wet	100

Thermal Properties

Brittleness Temperature, °C	ASTM D-746	-26
<u>14 A.W.G., .030" wall data</u>		
Heat Aging-Retention of Elongation	7 days at 100°C 7 days at 113°C	90 75

Suggested stock extrusion temperature range: 340-360°F
ASTM Classification: ASTM D-2287 Type PVC-55505E20
Suggested Applications; .030" SPT 1,2,3, .030" 80°C A.W.M.

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