

# Unichem 8190FR-1

Polyvinyl Chloride

Colorite Polymers

## Message:

Unichem 8190FR-1 is a Polyvinyl Chloride product. It can be processed by extrusion and is available in North America. Typical application: Wire & Cable. Characteristics include:  
Flame Rated  
Flame Retardant  
Good Flexibility

General Information			
Additive	Flame Retardant		
Features	Good Flexibility		
Uses	Wire Jacketing		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	15.5	MPa	ASTM D638
Tensile Elongation (Yield)	300	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	7.58	MPa	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-22.8	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.1E+12	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

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