

# New-prene™ 8590N

Polypropylene + EPDM Rubber

Total Polymer Vision (Suzhou) Co., LTD

## Message:

A natural color flame retardant EPDM/PP thermoplastic vulcanizate. This material combines good physical properties and chemical resistance for use in wire and cable applications. This product contains non-ether brominated compounds. It is RoHS compliant. It is polyolefin based and completely recyclable.

General Information			
Features	Brominated		
	Flame Retardant		
	Good Chemical Resistance		
	Recyclable Material		
Uses	Wire & Cable Applications		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	8.80	MPa	ASTM D412
Tensile Elongation (Break)	420	%	ASTM D412
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (135°C, 168 hr)	1.0	%	ASTM D573
Change in Ultimate Elongation in Air (135°C, 168 hr)	-20	%	ASTM D573
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity <sup>1</sup>	6.0E+14	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Cylinder Zone 1 Temp.	165	°C	
Cylinder Zone 2 Temp.	175 to 190	°C	
Cylinder Zone 3 Temp.	180 to 200	°C	

Melt Temperature	170 to 220	°C
Die Temperature	180 to 200	°C
NOTE		
1.	20°C	

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#### Recommended distributors for this material

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