

# New-prene™ 9055N-1

Polypropylene + EPDM Rubber

Total Polymer Vision (Suzhou) Co., LTD

## Message:

A soft, natural color EPDM/PP thermoplastic vulcanizate. This material combines good physical properties and chemical resistance for use in injection applications. EU directive 2002/95/EC (RoHS) compliant. It is polyolefin based and completely recyclable.

General Information			
Features	Good Chemical Resistance		
	Recyclable Material		
	Soft		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	57		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	4.60	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength	17.0	kN/m	ASTM D624
Compression Set (70°C, 22 hr)	42	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-55.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Rear Temperature	165	°C	
Middle Temperature	165 to 180	°C	
Front Temperature	170 to 200	°C	
Nozzle Temperature	180 to 200	°C	
Processing (Melt) Temp	170 to 230	°C	

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Recommended distributors for this material

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