

# New-prene™ 6165B

Polypropylene + EPDM Rubber  
Total Polymer Vision (Suzhou) Co., LTD

Message:

A soft, black color EPDM/PP thermoplastic vulcanizate. This material combines good physical properties and chemical resistance for use in extrusion applications. It is 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	Black		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	69		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	6.20	MPa	ASTM D412
Tensile Elongation (Break)	450	%	ASTM D412
Tear Strength	22.0	kN/m	ASTM D624
Compression Set (70°C, 22 hr)	38	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-55.0	°C	ASTM D746
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Cylinder Zone 1 Temp.	165	°C	
Cylinder Zone 2 Temp.	165 to 180	°C	
Cylinder Zone 3 Temp.	170 to 200	°C	
Melt Temperature	170 to 230	°C	
Die Temperature	180 to 200	°C	

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Recommended distributors for this material

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