

# New-prene™ 6040B

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

Message:

A black color EPDM/PP thermoplastic vulcanizate. This material combines good physical properties and chemical resistance for use in extrusion and injection 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
RoHS Compliance	RoHS Compliant
Appearance	Black
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	18.0	MPa	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Tear Strength	67.0	kN/m	ASTM D624
Compression Set (70°C, 22 hr)	58	%	ASTM D395
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating	HB		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 220	°C	
Melt Temperature	170 to 230	°C	
Die Temperature	180 to 220	°C	

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Recommended distributors for this material

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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