



Sincere

NV Rubber

0pen

Technical Data Sheet

NV-7030

SX0325-2022-26 V2

Description: NV 7030 is a blend of nitrile rubber and PVC. After adding vulcanizing agent, the compound is vulcanized and formed (the vulcanizing agent is selected according to the process requirements).

Special properties:

- Calendering and pressing out are fast and the surface is smooth
- \triangleright Good storage stability
- Excellent abrasion & tear resistance \triangleright
- Ozone resistance & excellent weather resistance
- Excellent oil and solvent resistance
- Excellent antistatic property
- Excellent flame retardancy

Characteristics:

Type (according to GB/T 5576-1997)NBR+PVC.....NBR+PVC ML 1+4@100℃......60±10 Volatile matter......under 1.0% Natural color Black

Properties after working:

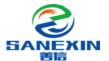
Sulfur (covered with 2% magnesium carbonate) and overspeed thiuram accelerator TMTD and subsulfonamide retarder CZ are added at 170 °C × Vulcanization under 6min.

Standard formula:

NV 7030	100
SRF, N774	60
DOP	20
ZNO	5
RD	1.0
SA	1.0
2%MgO₃ Coated, Sulfur	0.5
CZ	1.5
TMTD(TT)	1

Mechanical properties: NBR + PVC compound and vulcanizate

Item 1	Test method Unit	Measured value	Final value
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Mooney viscosity (MI	L 1+4@100℃)					52
Rheometer properties	: ODR Rheometer17	′0℃×12min×	1arc			
Minimum torque	1	lb-in		2.84		2.84
Maximum torque	1	lb-in		23.07		23.07
Scorch time TS1	1	min	1.6			1.6
Optimum cure TC90	1	min	5.8			5.8
1、Mechanical prop	erties 1.1 Cured 170°	C ×6min				
Proportion	ASTM D297	g/cm ³		1.172		1.172
Hardness	ASTM D2240	Points	79	80	80	80
Tensile Strength	ASTM D412	Kg/cm ²	159	162	165	162
Elongation		%	478	472	470	472
M200		Kg/cm ²	101	102	106	102
1、Mechanical prop	erties 1.2 Heat resis	stant air agin	g at 100℃×70hrs			
Hardness Change	ASTM D2240	Points	-4	-5	-6	-5
Tensile Change	ASTM D412	%	+0.28	+0.30	+0.31	+0.30
Elongation Change	ASTM D412	%	-17	-16.8	-17.5	-17
2. Oil resistance 2	.1 ASTM NO.1 Oil Im	mersion at 10	00℃ ×7 0h			
Hardness Change	ASTM D2240	Points	+5	+6	+6	+6
Tensile Change	ASTM D412	%	-0.93	-0.98	-0.98	-0.93
Elongation Change	ASTM D412	%	-26	-27	-27	-27
Volume Change	ASTM D471	%	-6.70	-6.87	-6.87	-6.87
2. Oil resistance 2	2.2 ASTM NO.903 Oil	Immersion at	100℃×70hrs			
Hardness change	ASTM D2240	Points	+4	+4	+5	+4
Tensile Change	ASTM D412	%	+1.85	+1.84	+1.85	+1.85
Elongation Change	ASTM D412	%	-15.1	-15	-15.2	-15
Volume Change	ASTM D471	%	+0.21	+0.20	+0.20	+0.20
2. Oil resistance 2	.3 Fuel C Immersion	at 40°C×48hr	rs .			
Volume Change	ASTM D471	%	+30.66	+30.65	+30.67	+30.66
3、Compression set a	at 100℃×70hrs (The	vulcanization	n condition of the sar	nple used in the experi	ment is 170 °C×10	Omin)
Deformation Rate	ASTM D395	%	46.10	46.00	45.98	46.00
4、Static ozone resist	tance at 80pphm×20%	6elongation×	40℃×120hrs			
Crack or No crack	ASTM D1171	/	No	No	No	No

Packaging: 25 kg per cardboard boxes.

Storage and shelf life:

NV~7030 may be stored in its original unopened packaging at a temperature below 40°C for up to 18 months as from the date of manufacture marked clearly on the packaging.



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For More Product Information, Please Visit Our Website: www.sanezen.com

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