Innoprene 2500N/B

Thermoplastic Vulcanizate

Kumho Polychem Co., Ltd.

Message:

Innoprene 2500N/B is a thermoplastic vulcanized rubber (TPV) material. This product is available in Europe or the Asia-Pacific region. The processing methods are: blow molding, extrusion, calendering or injection molding.
The main features of Innoprene 2500N/B are:
environmental protection/green
Good tear strength
Good flexibility
good weather resistance
chemical resistance
Typical application areas include:
Electrical/electronic applications
electrical appliances
home apps
building applications
Automotive Industry

General Information	
Features	Low compressive deformability
	Recyclable materials
	Good electrical performance
	Good flexibility
	Good tear strength
	Ozone resistance
	Good chemical resistance
	Fatigue resistance
	Good weather resistance
	Heat resistance, high
Uses	Electrical/Electronic Applications
	Electrical appliances
	Household goods
	Building materials
	Application in Automobile Field
	Business equipment
	Sporting goods
Appearance	Black
	Natural color
Forms	Particle
Processing Method	Blow molding

Extrusion

Calendering

Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.940	g/cm³	ASTM D792
25°C	0.940	g/cm³	ISO 1183
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 25°C)	45		ISO 868
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain, 25°C)	9.81	MPa	ASTM D412, ISO 37
Tensile Strength (Yield, 25°C)	20.6	MPa	ASTM D412, ISO 37
Tensile Elongation (Break, 25°C)	550	%	ASTM D412, ISO 37
Tear Strength			
25°C	108	kN/m	ASTM D624
25°C	110	kN/m	ISO 34-1
Compression Set			
70°C, 22 hr	70	%	ASTM D395
120°C, 70 hr	75	%	ASTM D395
120°C, 70 hr [1]	75	%	ISO 815
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air (150°C, 168 hr)	-23	%	ASTM D412, ISO 188
Change in Ultimate Elongation in Air (150°C, 168 hr)	-25	%	ASTM D412, ISO 188
Change in Shore Hardness in Air (Shore A, 150°C, 168 hr)	3.0		ISO 188
Change in Mass			ASTM D471
25°C, 168 hr, in 10% hydrochloric acid	1.0	%	ASTM D471
25°C, 168 hr, in 50% sodium hydroxide	0.0	%	ASTM D471
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature (Type B)	-56.0	°C	ISO 812
Additional Information	**Nominal Value**		**Test Method**
UV Resistance - 1000hr			SAE J1960
Injection	**Nominal Value**	**Unit**	
Drying Temperature	85.0	°C	
Drying Time	3.0	hr	
Rear Temperature	160 - 180	°C	
Middle Temperature	180 - 200	°C	
Front Temperature	200	°C	
Nozzle Temperature	200 - 220	°C	
Processing (Melt) Temp	190 - 230	°C	

Mold Temperature	10.0 - 60.0	°C
Injection Rate	Fast	
Injection instructions		
Cooling Time: 20-30 sec / 100-175g		
Extrusion	Nominal Value	Unit
Drying Temperature	85.0	°C
Drying Time	3.0	hr
Hopper Temperature	160 - 170	°C
Cylinder Zone 1 Temp.	180 - 200	°C
Cylinder Zone 2 Temp.	180 - 200	°C
Cylinder Zone 3 Temp.	180 - 200	°C
Adapter Temperature	200	°C
Melt Temperature	190 - 230	°C
Die Temperature	180 - 210	°C
Back Pressure	5.00 - 20.0	MPa
Extrusion instructions		
Screen Pack: 20-60 mesh		
NOTE		
1.	Type a	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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Phone: +86 13424755533

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WECHAT