



BLS POLYMERS LIMITED

PVC COMPOUND FOR WIRE & CABLE INSULATION TYPE T1 1

BLS Polymers Ltd. introduces another sophisticated compound for insulation of Cables & Wires – BLS TYPE TI 1 for insulation of flexible cables, wires and cords with a maximum operating temperature of 70°C and is RoHS Compliant. It is available in transparent version too. This compound meets the stringent quality requirements for cables, wires and cords used for insulation of metal conductors and for wire harness with a maximum operating temperature of 70°C. It meets the requirements of raw material for manufacturing of cables as ASTM, EN and BS standards.

TYPICAL PROPERTIES:

PROPERTY VALUE	UNIT	TEST METHOD	TYPICAL
Density	gm / cc	ASTMD 792	1.44
Hardness	Shore A	ASTM D 2240	89
Tensile Strength	Kg /cm ²	ASTMD 638	175
Elongation at Break	%	ASTMD 638	280
Ageing at 80 ± 2°C for 7 days			
Tensile Strength	kg/cm ²	ASTM D 638	10
Elongation at Break	%	ASTM D 638	20
Brittleness Temperature	°C	ASTMD 746	-15°C
Loss of mass at 160°C	%	BLS method	1.7
Water absorption	%	BLS method	0.24 max
Thermal Stability	minutes		70
Volume Resistivity at 23°C 10 ¹³	ohm-cm	ASTMD 257	≥ 7 X
Volume Resistivity at 70°C 10 ¹¹	ohm-cm	ASTMD 257	≥ 1 X

The information contained in this leaflet is to the best of our knowledge true and accurate, but any recommendation or suggestion which may be made is without guarantee, since the condition of use is beyond our control. We expressly disclaim liability incurred in connection with the use of these data for suggestions.



BLS POLYMERS LIMITED

PVC COMPOUND FOR WIRE & CABLE SHEATHING TYPE TM 1

BLS Polymers Ltd. introduces another sophisticated compound for Sheathing of Wire & Cables – BLS TYPE TM 1 for general purpose sheathing of flexible cables, wires and cords and is RoHS compliant. This compound meets the stringent quality requirements for general purpose sheathing of flexible cables, wires and cords with a maximum operating temperature of 70°C. It meets the requirements of raw material for manufacturing of cables as ASTM, EN and BS standards.

TYPICAL PROPERTIES:

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
Density	gm / cc	ASTMD 792	1.45
Hardness	Shore A	ASTM D 2240	89
Tensile Strength	Kg /cm ²	ASTMD 638	170
Elongation at Break	%	ASTMD 638	280
Ageing at 80 ± 2°C for 7 days			
Tensile Strength	kg/cm ²	ASTM D 638	10
Elongation at Break	%	ASTM D 638	20
Brittleness Temperature	°C	ASTMD 746	-15°C
Loss of mass at 160°C	%	BLS method	1.7
Water absorption	%	BLS method	0.24 max
Thermal Stability	minutes		70

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BLS POLYMERS LIMITED

PVC COMPOUND FOR WIRE & CABLE INSULATION TYPE T1 2

BLS Polymers Ltd. introduces another sophisticated compound for insulation of Cables & Wires – BLS TYPE TI 2 for insulation of flexible cables, wires and cords with a maximum operating temperature of 70°C and is RoHS Compliant. It is available in transparent version too. This compound meets the stringent quality requirements for cables, wires and cords used for insulation of metal conductors and for wire harness with a maximum operating temperature of 70°C. It meets the requirements of raw material for manufacturing of cables as ASTM, EN and BS standards.

TYPICAL PROPERTIES:

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
Density	gm / cc	ASTMD 792	1.42
Hardness	Shore A	ASTM D 2240	83
Tensile Strength	Kg /cm ²	ASTMD 638	150
Elongation at Break	%	ASTMD 638	300
Ageing at 80 ± 2°C for 7 days			
Tensile Strength	kg/cm ²	ASTM D 638	10
Elongation at Break	%	ASTM D 638	15
Brittleness Temperature	°C	ASTMD 746	-15°C
Loss of mass at 160°C	%	BLS method	1.5
Water absorption	%	BLS method	0.24 max
Thermal Stability	minutes		70
Volume Resistivity at 23°C	ohm-cm	ASTMD 257	≥ 7 X 10 ¹³
Volume Resistivity at 70°C	ohm-cm	ASTMD 257	≥ 1 X 10 ¹¹

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BLS POLYMERS LIMITED

PVC COMPOUND FOR WIRE & CABLE SHEATHING TYPE TM 2

BLS Polymers Ltd. introduces another sophisticated compound for Sheathing of Wire & Cables – BLS TYPE TM 2 for general purpose sheathing of flexible cables, wires and cords and is RoHS compliant. This compound meets the stringent quality requirements for general purpose sheathing of flexible cables, wires and cords with a maximum operating temperature of 70°C. It meets the requirements of raw material for manufacturing of cables as ASTM, EN and BS standards.

TYPICAL PROPERTIES:

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
Density	gm / cc	ASTMD 792	1.42
Hardness	Shore A	ASTMD 2240	80
Tensile Strength	Kg /cm ²	ASTMD 638	140
Elongation at Break	%	ASTMD 638	310
Ageing at 80 ± 2°C for 7 days			
Tensile Strength	kg/cm ²	ASTM D 638	10
Elongation at Break	%	ASTM D 638	20
Brittleness Temperature	°C	ASTMD 746	-15°C
Loss of mass at 160°C	%	BLS method	1.6
Water absorption	%	BLS method	0.24 max
Thermal Stability	minutes		70

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BLS POLYMERS LIMITED

PVC COMPOUND FOR WIRE & CABLE SHEATHING COMPOUND TYPE 6

BLS Polymers Ltd. introduces another sophisticated compound for Sheathing of Wire & Cables – BLS GRADE TYPE 6 for general purpose sheathing of highly flexible cables, wires and cords and is RoHS compliant. This compound meets the stringent quality requirements for general purpose sheathing of flexible cables, wires and cords with a maximum operating temperature of 70°C. It meets the requirements of raw material for manufacturing of cables as ASTM, EN and BS standards.

TYPICAL PROPERTIES:

PROPERTY VALUE	UNIT	TEST METHOD	TYPICAL
Density	gm / cc	ASTMD 792	1.42
Hardness	Shore A	ASTM D 2240	74
Tensile Strength	Kg /cm ²	ASTMD 638	80
Elongation at Break	%	ASTMD 638	260
Ageing at 80 ± 2°C for 7 days			
Tensile Strength	kg/cm ²	ASTM D 638	10
Elongation at Break	%	ASTM D 638	20
Brittleness Temperature	°C	ASTMD 746	-15°C
Loss of mass at 160°C	%	BLS method	1.5
Water absorption	%	BLS method	0.24 max
Thermal Stability	minutes		60

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BLS POLYMERS LIMITED, 604, INDRAPRAKASH BUILDING, 21, BARAKHAMBA ROAD, NEW DELHI -110001 INDIA

Tel: 91-11-23755263, 23715295, Fax:91-11-23755264

Email: blspoly@blsgroup.in, www.blspolymers.com