


GREEN AS WHITE CAN BE 

POLESTAR[®] 450HP

APPLICATIONS

- PVC Wire and Cable Insulation

www.imerys-kaolin.com

ABOUT IMERYS KAOLIN

We are a division of Imerys, a world leader of kaolins located in middle Georgia for over a hundred years.

Our Kaolins are processed, refined and engineered to complement our customer's production processes, improving the quality and raising the performance of customers products. Imerys Kaolin offers Tailor-made solutions based on a understanding of the manufacturing process, production and business constraints of the PVC, wire and cable industry.



POLESTAR® 450HP IS AN ENGINEERED METAKAOLIN, OPTIMIZED FOR EFFICIENCY IN PVC COMPOUNDS FOR ELECTRICAL INSULATION APPLICATIONS.

POLESTAR 450HP FEATURES

- High Chemical Reactivity
- Improved Pigment Morphology

POLESTAR 450HP BENEFITS

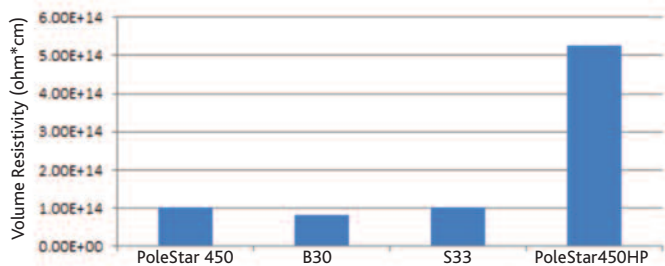
- Improved Volume Resistivity at Ambient and Water Aged Conditions
- Improved Elongation and Tear Strength While Retaining Other Mechanical Properties
- Improved Color Consistency

POLESTAR 450HP FORMULATION GUIDE

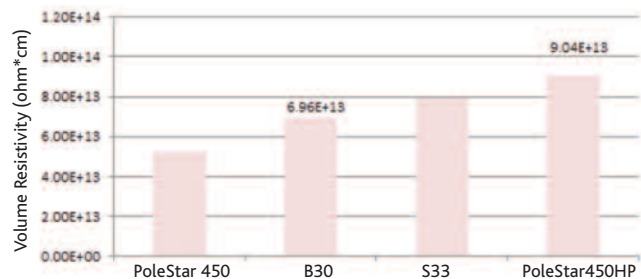
- Plasticized PVC Cable Compounds with Clays

FORMULATION	p.h.r
PVC raw material	100
TOTM (plasticiser)	55
Wax Additive AC617A	0.2
Norstab 62B (CaZn Stabilizer)	3
ATH	3
Metakaolin Filler	20

Volume Resistivity
At room temperature



Volume Resistivity
Water aged at 90 deg C for 7 days



PHYSICAL CHARACTERISTICS

Grade	Physical Form	Mean particle size	pH	Applications
PoleStar® 450HP	Calcined	1	4.4	PVC Wire and Cable Insulation

We have a highly qualified team of scientists with detailed knowledge of the market requirement - we can speak your language.

MORE INFORMATION

Imerys Kaolin

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