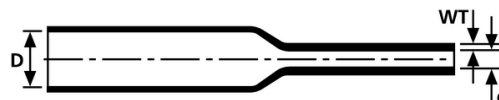




## Material Datasheet

30.01.2023

**HA47-45/12**  
Article Number 321-20450



Material: Polyolefin, cross-linked (PO-X)  
Colour: Black (BK)  
Adhesive: Hot melt adhesive

Supplied Ø D min.: 45.0 mm  
Recov. Ø d max.: 12.0 mm  
Wall (WT): 4.0 mm  
Shrink Ratio: up to 4:1  
Longitudinal Change After Shrinkage: -10% max.  
Min. Shrink Temperature - °C: +120 °C

Test Method

Flammability: not flame-retardant  
Operating Temperature : -55 °C to +110 °C  
Heat Shock Test: 4h/225°C  
Behaviour at Heat Shock: not cracking, not fluid, not dripping  
Heat Aging Test: 168h/150°C  
Minimum Tensile Strength At Heat Aging: 12 MPa  
Elongation At Heat Aging: 300 %  
Behaviour At Low Temperature: not cracking

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Dielectric Strength: 15 kV/mm  
Insulation Class: A (VDE 0530)  
Tensile Strength: 12 MPa  
Elongation at break: 350  
Water Absorption: 0.2 %

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We assume no responsibility that the Product will be used for the intended purpose, this is beyond our control. It's up to the customer to check the suitability for a specific application by means of tests. Technical changes and errors reserved