

## Grafted Polyethylene adhesive (Coating)

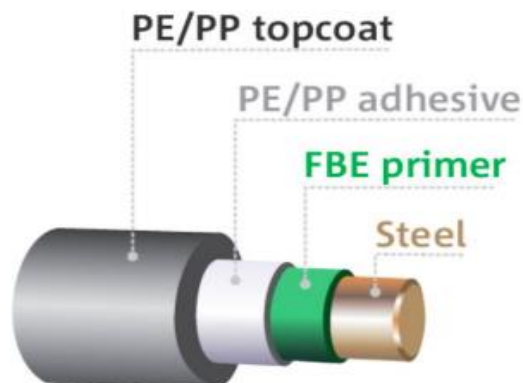
## Aria Adhesive 4107<sup>®</sup>

### Description

**Aria Adhesive 4107<sup>®</sup>** is a maleic anhydride grafted polyethylene adhesive resin in pellet form. It has been primarily designed to act as adhesive layer in PE 3 layers coated steel pipes.

### Applications

Improving adhesion between epoxy layer (FBE primer) and the top coat polyethylene in 3-layer coated steel pipes.



### Technical specification

Properties	Test Method	Unit	Aria Adhesive 4107 <sup>®</sup>
Melt Flow Rate (190 °C/2,16 kg)	ISO 1133	g/10min	1.3±0.5
Density	ASTM D792	g/cm <sup>3</sup>	0.94±0.01
Melting Temperature	ISO 113571	°C	140±4
Vicat Softening point	ISO 306	°C	96±2
Tensile Strain at Break(50 mm/min)	ISO 527	%	>600
Tensile Stress at Yield(50 mm/min)	ISO 527	MPa	11.7
Tensile Stress at Break(50 mm/min)	ISO 527	MPa	14
Hardness Shore D	ISO 868	-	55

### Storage and handling

**Aria Adhesive 4107<sup>®</sup>** should be stored in dry conditions at temperatures below 40 °C and protected from UV-light. Improper storage can initiate degradation, which results in odor generation and color changes and can have negative effects on the physical properties of the product.

### Shelf life

Two years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.