

## TECHNICAL DATA SHEET

# POLIRTEC 411

### APPLICATION:

**POLIRTEC 411** is a radial structure copolymer of styrene and butadiene used for reducing thermal susceptibility and increasing mechanical resistance of Hot Mix Asphalts.

**POLIRTEC 411** is a 70/30 butadiene/styrene thermoplastic co-polymer, polymerized in solution.

**POLIRTEC 411** is an excellent modifier for asphalt applications including self-adhesive roofing membrane and sealant.

### DOSAGE AND APPLICATION CONDITIONS:

Dosage varies from 1% to 10% w/w on bitumen depending on the production application.

**POLIRTEC 411** is normally used to produce Polymer Modified Asphalt (PMB) and membranes and it is dispersed in the bitumen using appropriate manufacturing equipment.

### CHEMICAL FAMILY:

**POLIRTEC 411** is 70/30 butadiene/styrene thermoplastic co-polymer, polymerized in solution and has a radial structure.

### STORAGE:

Store at room temperature in closed bags. Avoid moisture.

### PACKAGE:

It is presented as free flowing porous crumb making easy its handling and dissolution or in micronized powder (in this case the product assumes the denomination **POLIRTEC 411M**)

**POLIRTEC 411** is delivered in 750 kg big-bags or in self-melting plastic bags.

### SAFETY:

Not dangerous (According to EEC Directives)

For further information see the Safety Sheet.

### PHYSICAL AND CHEMICAL PROPERTIES:

Properties	Test method	Value
Toluene solution viscosity 5,23%	NM 300-11	28
Volatile matter, % max	ASTM D5668	0.75
Total styrene (on polymer), %	ASTM D5775	30
Insoluble matter, %max	NM 300-15	0.1

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