

## TECHNICAL DATA SHEET

**PRODUCT:**

### POLIRTEC 580X

**APPLICATION:** **POLIRTEC 580X** is a linear structure copolymer of styrene and butadiene used for reducing thermal susceptibility and increasing mechanical resistance of Hot Mix Asphalts.

**POLIRTEC 580X** is a 70/30 butadiene/styrene thermoplastic co-polymer, polymerized in solution.

**POLIRTEC 580X** 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 580X** 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 580X** is 70/30 butadiene/styrene thermoplastic co-polymer, polymerized in solution and has a radial structure.

**PHYSICAL AND CHEMICAL PROPERTIES:**

Properties	Test method	Value
Toluene solution viscosity 5,23%, cSt	MA 04-3-003	13
Volatile matter, % max	ASTM D5668	0.75
Total styrene (on polymer), %	ASTM D5775	30
Insoluble in toluene, 325 mesh, %	MA 04-03-018	< 0.1
Block Styrene, %	NM 202-07	> 95
Ashes, %	ASTM D5669	< 0.35

**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 580XM**)

**POLIRTEC 580X** is delivered in 750 kg big-bags or in 20 kg self-melting plastic bags.

**SAFETY:**

Not dangerous (According to EEC Directives)  
For further information see the Safety Sheet

*The information contained herein is indicative only and without express guarantee. As no control can be exercised over its use, we cannot be held responsible for any damage which may result from its misuse*