

## TECHNICAL DATA SHEET

### POLIRTEC 6302

**PRODUCT:**

**APPLICATION:** **POLIRTEC 6302** is a linear structure copolymer of styrene and butadiene used for reducing thermal susceptibility and increasing mechanical resistance of Hot Mix Asphalts.

**POLIRTEC 6302** is a 70/30 butadiene/styrene thermoplastic co-polymer, polymerized in solution.

**POLIRTEC 6302** 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 6302** 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 6302** is 70/30 butadiene/styrene thermoplastic co-polymer, polymerized in solution and has a radial structure.

**PHYSICAL AND CHEMICAL PROPERTIES:**

Properties	Test method	Value
Specific Gravity	ASTM D792	0,94 g/cc
Tensile strength *	ASTM D412	20 MPa
Elongation at break *	ASTM D412	750 %
300% Modulus *	ASTM D412	2,5 MPa
Hardness *	ASTM D2240	80 Sh A
Melt Flow Index (190°C, 5 Kg)	ASTM D1238	<1 g/10 min
Brookfield Viscosity (Toluene sol., 25% wt)	ASTM D1084	4 Pa.s

**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 6302M**)

**POLIRTEC 6302** 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*

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