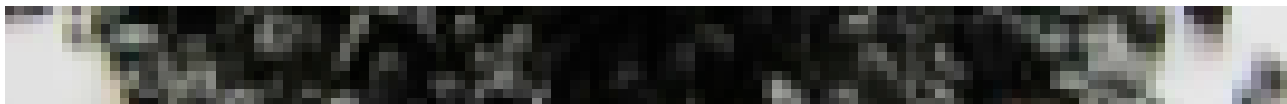


## TECHNICAL DATA SHEET


**PRODUCT:**

### POLIRTEC 501

**APPLICATION:** **POLIRTEC 501** is a linear structure copolymer of styrene and butadiene used for reducing thermal susceptibility and increasing mechanical resistance of Hot Mix Asphalts.

**POLIRTEC 501** is a 69/31 butadiene/styrene thermoplastic co-polymer, polymerized in solution.

**POLIRTEC 501** 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 501** 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 501** is 69/31 butadiene/styrene thermoplastic co-polymer, polymerized in solution and has a radial structure.

**PHYSICAL AND CHEMICAL PROPERTIES:**

Properties	Test method	Value
Toluene solution viscosity 25%	MA 04-3-064	5 Pa-s
Toluene solution viscosity 5,23%	MA 04-3-003	13 cSt
Volatile matter, % max	ASTM D5668	0.4
Total styrene (on polymer), %	ASTM D5775	31
Hardness, Shore A	ASTM D2240	76
Insoluble in toluene, 325 mesh, %	MA 04-03-018	< 0.1
Ashes, %	ASTM D5669	0.4

**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 501M**)

**POLIRTEC 501** 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*

international road technology consulting s.l.

C/Orquidea 12 – 28981 Parla (Madrid) – SPAIN  
info@irtecon.com

Ph. +34 914132159 fax +34 915151503  
www.irtecon.com