



PEARLCOAT® 126KW

Thermoplastic Polyurethane Elastomer

PEARLCOAT® 126 KW is a polyester-based thermoplastic polyurethane, supplied in form of white-coloured pellets, combining hardness with excellent low-temperature flexibility.

Property	Test Method	Typical Values *
Density @ 20°C	DIN 53.479	1.23 gr/cm ³
Shore Hardness	DIN 53.505	94 A
Tensile Strength	DIN 53.504	30 MPa
Modulus @ 100% Elongation	DIN 53.504	15 MPa
Modulus @ 300% Elongation	DIN 53.504	28 MPa
Elongation @ Break	DIN 53.504	450 %
Compression Set (70h / 23°C)	DIN 53.517	40 %
Compression Set (24h / 70°C)	DIN 53.517	80 %
Abrasion Loss	DIN 53.516	60 mm ³
Melting Range (MFI=10)	MQSA 111	155 – 165 °C
Tg. (DSC, 10°C / min.)	DIN 51.007	-23 °C

* These are typical values and should not be used for establishing specifications.

APPLICATIONS

PEARLCOAT® 126KW is used in melt coatings on textile substrates for conveyor belts, obtained by sintering (in this case the product is previously ground, so as to be in powder form).

For optimum results, previous drying of the product during 2 hours at 100 - 105° C is advisable, in a hot air circulatory, vacuum or desiccant-air dryer.

HEALTH AND SAFETY

A safety data sheet on **PEARLCOAT® 126KW** is available, with all information related to safety.

The ingredients of **PEARLCOAT® 126KW** comply with F.D.A. regulations, as described under 21 CFR, §177.2600 "Rubber Articles intended for Repeated Use" when **PEARLCOAT® 126KW** is used in coatings and adhesives which are in contact with food.

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PACKAGING

PEARLCOAT® 126KW is packaged in heat-sealed, moisture proof multi-layer bags of 25 kg net weight made of PE/Aluminium/PE. Bags are shipped on pallets of 750 kg. Additionally, PE-lined cardboard gaylords of 700 kg net weight are available.

STORAGE

Material received from Merquinsa should be inspected to assure containers are not damaged during transportation before being stored prior to use. **PEARLCOAT® 126KW** should be kept in a cool (15-25°C) and dry environment prior to being processed. Standard practice of consuming resin on first-in first-out basis should be employed.