

PEARLCOAT® 125KW

Thermoplastic Polyurethane Elastomer

PEARLCOAT® 125KW is a polyester-based aromatic TPU, supplied in form of green-coloured pellets, combining hardness with excellent low-temperature flexibility.

Physical Property	Test Method	Typical Values *
Density @ 20°C	DIN 53.479	1.23 gr/cm ³
Shore Hardness	DIN 53.505	85 A
Tensile Strength	DIN 53.504	25 MPa
Modulus @ 100% Elongation	DIN 53.504	7.5 MPa
Modulus @ 300% Elongation	DIN 53.504	11 MPa
Elongation @ Break	DIN 53.504	520 %
Compression Set (70h / 23°C)	DIN 53.517	40 %
Compression Set (24h / 70°C)	DIN 53.517	85 %
Abrasion Loss	DIN 53.516	40 mm ³
Melting Range (MFI=10)	MQSA 111	140 – 150 °C
Tg. (DSC, 10°C / min.)	DIN 51.007	-28 °C

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

APPLICATIONS

PEARLCOAT® 125KW 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 90-100° C is advisable, in a hot air circulatory, vacuum or desiccant-air dryer.

HEALTH AND SAFETY

A safety data sheet on **PEARLCOAT® 125KW** is available, with all information related to safety.

The ingredients of **PEARLCOAT® 125KW** comply with F.D.A. regulations, as described under 21 CFR, §177.2600 "Rubber Articles intended for Repeated Use" when **PEARLCOAT® 125KW** is used in coatings and adhesives which are in contact with food.

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PACKAGING

PEARLCOAT® 125KW 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® 125KW** 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.

All information and advice are provided without warranty including in the case of the rights of third parties, the client being at all times responsible for testing the products and for their application, use and processing. All products are sold subject to Merquinsa General Terms of Business.

Under the provisions of Spain Constitutional Law 15/1999 of December 13, on Personal Data Protection, Merquinsa is the Controller of a data base containing your data. We will use such data for the purposes of providing you the information you have requested, replying your enquiries and maintaining our business relationship with you. Besides, we inform you that you can exercise your rights of access, rectification or erasure, and right to object by making a written request to our address or by electronic mail to info@merquinsa.com