

# PEARLCOAT® Activa D126K BL

Thermoplastic Polyurethane Elastomer

## PROVISIONAL TECHNICAL DATA SHEET

PEARLCOAT® Activa D126K BL is a standard polyester based TPU, supplied in form of translucent, black colored pellets, combining hardness with excellent low-temperature flexibility.

Physical Property	Test Method	Typical Values *
Specific Gravity	ASTM D-792	1.25
Shore Hardness	ASTM D-2240	94 A
Tensile Strength	ASTM D-412	5085 psi.
Modulus @ 100% Elongation	ASTM D-412	2470 psi.
Modulus @ 300% Elongation	ASTM D-412	4214 psi.
Elongation @ Break	ASTM D-412	450 %
Abrasion Loss	DIN 53.516	50 mm <sup>3</sup>
Melting Range (MFI=10)	MQSA 111	310 – 330 °F
Tg (DSC, 50°F / min.)	DIN 51.007	- 9 °F

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

\*\* Temperature at which MFI = 10 g/10 min @ 21.6 kg.

## APPLICATIONS

PEARLCOAT® Activa D126K BL 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 194-212° F is advisable, in a hot air circulatory, vacuum or desiccant-air dryer.

## HEALTH AND SAFETY

A safety data sheet on PEARLCOAT® Activa D126K BL is available, with all information related to safety.

## PACKAGING

PEARLCOAT® Activa D126K BL 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. kg. Additionally, PE-lined cardboard gaylords of 700 kg net weight are available.

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**STORAGE**

Material received from Merquinsa should be inspected to assure containers are not damaged during transportation before being stored prior to use. **PEARLCOAT® Activa D126K BL** should be kept in a cool (60-75°F) and dry environment prior to being processed. Standard practice of consuming resin on first-in first-out basis should be employed.

For more information, please feel free to contact us at [www.merquinsa.com](http://www.merquinsa.com)