

Pearlcoat™ ACTIVA TPU gives soft touch to thermoformed and co-extruded surfaces



Markets: Transportation

Polymer: Pearlcoat™ ACTIVA 118K & Pearlcoat™ ACTIVA D198K thermoplastic polyurethane (TPU)

Key Benefits:

- Low-gloss, soft TPU
- Low temperature flexibility
- Very good UV stability
- Very good abrasion resistance

In transportation logistics, long and costly processes are used to manufacture trays to transport industrial parts. These processes can now be simplified by applying Pearlcoat ACTIVA TPU in a very thin co-extruded and thermoformed TPU layer. Even the most delicate automotive parts that sit on trays can avoid damage and any level of contamination thanks to the application of Pearlcoat ACTIVA 118K. Outstanding haptics (comfort), a low gloss/matt appearance and soft touch are key benefits of utilizing Pearlcoat ACTIVA TPU. The ACTIVA portfolio has solutions for light and dark colours, as there is a non-yellowing aliphatic TPU grade available which is colour stable: Pearlcoat ACTIVA D198K for white and light colours.

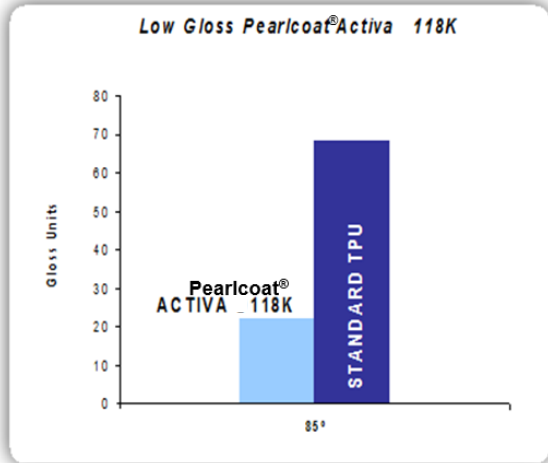
Pearlcoat ACTIVA 118K & Pearlcoat ACTIVA D198K

- ✓ Soft TPU - 70 Shore A hardness
- ✓ High aesthetic appeal (leather finish)
- ✓ Very good bonding to polar substrates (ABS, PC, PVC...)
- ✓ Wide process applications: extrusion, co-extrusion, co-injection & thermoforming





Lubrizol engineered polymers has developed soft touch polymers that naturally stick to diverse substrates, granting a superior scratch-, abrasion- and anti-slip (dry surfaces) resistance, and the cleanest anti-static solution to final co-extruded parts based on different plastics (polar and non-polar). The TPU layer grants a longer life span, colour diversity, UV resistance and top performing mechanical properties, as well as recyclability*. The feature that stands out apart from the soft touch, however, is its low gloss matt appearance which is better than that of standard TPU as shown on the chart below:



Measured on extruded films by Erichsen Picogloss 503.

Lubrizol's innovative TPU portfolio also offers lightweight Estane® cost-out solutions, and Stat-Rite® and Carbo-rite® advanced materials for conductive and non-conductive electrical- and electronic-sensitive parts.



For more information, please visit our web site: www.lubrizol.com/engineeredpolymers

**Recyclability is based on access to a readily available standard recycling program that supports such materials. This product may not be recyclable in all areas.*

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