

# PRODUCT SPECIFICATION



screening and processing technology

**Fleximat Ges.m.b.H.**  
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## Fleximat PREMIUM

<b>Chemical basic</b>	Licensed and patented polyester hot cast system from Bayer AG
<b>Characteristics</b>	Cast polyurethane system for the most demanding applications Especially in terms of dynamic load bearing capacity Excellent physical properties Oldest and best know polyurethane formulation
<b>Area of application</b>	Wheels and roller coatings with extreme load capacity Spring elements, buffers, couplings
<b>Benefits</b>	High dynamic load capacity Excellent adhesion to metal Excellent mechanical properties over a wide range of temperatures Excellent wear resistance High fatigue limit Low deformation over time Constant e-module from -20 °C to +80 °C
<b>Resistance</b>	High resistance for friction wear Very good resistance to mineral greases and oils Minimal swelling in glycol No resistance to hydrolysis and to microbes
<b>Operation temperature</b>	Continuous use up to approx. 100 °C (dry) Short term use up to approx. 120 °C. Excellent properties in cold conditions (to -20 °C)
<b>Supplied Shore hardness</b>	From 65 up to 93 °Shore A
<b>Shore hardness Screen Mats</b>	FP 93 +/- 3 °Shore A
<b>Color</b>	Standard yellow ochre through brown However UV light (sunlight) causes extreme darkening of Vulkollan

certificated austrian quality products

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