

Teknikum® Polyurethane materials for Mill Lining



Teknikum's highly durable polyurethane compounds are developed for extremely abrasive environment.

Our strict quality control is based on ISO-9001 certified systems and EU regulations of REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals) and RoHS (Restriction of Hazardous Substances).

Accordingly, the Teknikum® PU polyurethane mill lining materials do not contain any RoHS 2 controlled substances or phthalates and they are compliant with REACH directive.

Furthermore, the materials do not contain any substances named on the SVHC (Substances of Very High Concern) candidate list XIV of REACH.

Teknikum® PU polyurethane products are awarded with the "Made in Finland" Key Flag symbol.

ADVANTAGES

- Material enables manufacturing for different products on fine grinding applications
- Cost effective manufacturing method
- Continuous material development

TECHNICAL PROPERTIES

Described by product:

- PU-112
- PU-133

TEKNIKUM PU-112

PU-112 polyurethane is specially developed for secondary mills, where polyurethane must stand against abrasion of the mineral and grinding media. This durability is due to good abrasion resistance of this material.

Temperature

Maximum operating temperature is +70°C.

TEKNIKUM PU-133

PU-133 polyurethane material is specially developed for extremely abrasive circumstances in secondary mills, where polyurethane must stand very sharp particles of the mineral. This durability is due to the most optimal combination of a good tear strength and excellent abrasion resistance.

Temperature

Maximum operating temperature is +50°C.

MANUFACTURER

Teknikum Oy (Business ID FI07645274),
Nokiankatu 1, 38210, Sastamala, Finland

Sales

Teknikum Group, Lining BU

More information

sales@teknikum.com

www.teknikum.com

All rights reserved. © 2022 Teknikum Group Ltd.



PROPERTY & RECOMMENDATION CHART

Product	Hardness	Abrasive wear resistance (1-5)	Tear & impact wear resistance (1-5)	Grinding stage (primary,secondary tertiary)	Maxium operation temperature (°C)
PU-112	90 ± 5	5	3	secondary	+70°C
PU-133	70 ± 5	5	4	secondary	+50°C