

## CERTIFICATE OF ANALYSIS

Customer : NoName

Date : 14.2.2011

Para Aramid Yarn Ropes

<i>Abrasion Resistance</i>	<i>Yarn on Yarn Abrasion</i>	<i>Ultraviolet (UV) Resistance</i>	<i>Flame Resistance</i>	<i>Chemical Resistance (Acid)</i>	<i>Chemical Resistance (Alkali)</i>	<i>Chemical Resistance (Organic Solvent)</i>
✓	○	✗	✓	✓	✓	✓

### CHEMICAL COMPATIBILITY

**Chemical Resistance to Acid:** Degrades in Formic, Hydrochloric and Sodium Hydroxide acid.

**Chemical Resistance to Alkali:** Strong alkalis will attack at high temperature or concentration.

**Chemical Resistance to Organic Solvent:** Degrades moderately in Carbon Tetrachloride and Ethylene Glycol/Water.

<i>Property</i>	<i>UOM</i>	<i>Value</i>
<i>Breaking Tenacity</i>	g/d	23.0
<i>Specific Gravity</i>	Ratio	1.44
<i>Elongation @ Break</i>	%	3.5
<i>Tensile Modules</i>	g/d	555
<i>Moisture Regain*</i>	%	5.0
<i>Creep**</i>	%	<0.03
<i>Shrinkage***</i>	%	<0.02
<i>Melt Point</i>	°C	None
<i>Decomposition Temp.</i>	°C	425-480

\* Equilibrium moisture regain @ 55% RH \*\* Creep @ 40%-58% ultimate tensile strength \*\*\* Shrinkage in dry air @ 177 C for 30 minutes

Issued by : Ing.Jindrich Bedan,MIB

Provaznictvi s.r.o., Czech Republic