



## ROBCO 4029



ROBCO 4029 is an all polymer aromatic polyamide fibre. The yarn possesses excellent static and dynamic fatigue resistance as well as a negative coefficient of expansion unlike other polymers such as PTFE (polytetrafluoroethylene) which expands at several times the rate of metals. The yarn is pre-lubricated with a combination of colloidal PTFE and a silicone lubricant (dimethyl siloxane).

### Possible Applications

Its mechanical stability up to 400°F provides a modulus of rigidity that is desirable in a mechanical packing yarn. It is well suited to severe applications under drastic temperature changes. The yarn's toughness makes ROBCO 4029 an excellent packing for mine tailings, sewage applications, as well as moderately severe acids and alkalies. It is also used extensively on ground-wood and chemical pulp stock in the pulp and paper industry.

SPECIFICATIONS	
pH range	3 to 12
Temperature limit	500°F (260°C)
Pump speeds	2,500 fpm (12.7 m/s)
PV limit	
From 70°F to 200°F:	3.50 x 10 <sup>5</sup>
From 200°F to 400°F:	2.70x10 <sup>5</sup>
Construction	Translok braid
Material	Polyamide fiber filament yarn
Lubrication	Colloidal PTFE, silicone

<b>in.</b>	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1
<b>ft./lb.</b>	90.9	37.9	24.7	16.3	11.0	7.7	6.6	5.2	4.1	2.9	2.0	1.6

Disclaimer: The temperature limits, pH ranges, pressure ratings, feet per box and shaft speeds shown throughout this pamphlet are representative; the service life and performance of these products can be affected by elevated temperatures and other operating conditions such as chemical resistance, shaft speeds, pressure and equipment in which that the product is being installed. The ratings supplied are suggested as a guideline and should only be used for evaluating your specific application. When in doubt, contact Robco or your ENVIROPAK distributor. *The information contained in the pamphlet should not be considered to be a warranty, expressed or implied, including, but not limited to, a warranty of merchantability or fitness for a particular purpose. In no event shall Robco be liable for any incidental or consequential damages resulting from the use, misuse or inability to use the products.* This exclusion applies regardless of whether such damages are sought based on breach of warranty, breach of contract, negligence, strict liability in tort, or any other legal theory.