

Polish company is looking for suppliers of friction material for wet applications

Summary

Profile type	Company's country	POD reference
Business request	Poland	BRPL20240402011
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement	• World
Contact Person	Term of validity	Last update
Alice MOROSINI	27 May 2024 27 May 2025	1 Jun 2024

General Information

Short summary

A company is searching for producers or distributors of friction material for wet applications able to work in ATF (Automatic Transmission Fluid).

Full description

The Polish company sells parts for automatic clutch applications worldwide.

The company is looking for a supplier of friction material:

- asbestos free, organic friction lining with high carbon and aramid content exhibiting high thermal stability. Material characteristic of sound porosity and resiliency allowing an efficient oil flow within the materials to improve heat dissipation favorable for high performance applications.
- friction lining in oil immersed applications, especially for differentials, clutches with high unit loads or high power demands. The lining can be specified for automatic clutch applications.

Product specifications:

- two types: one Kevlar reinforced and the other Carbon reinforced
- sheet of minimum 400 x 400 mm and maximum 700 x 700, the 700 x 700 most preferable
- thickness of the material: 1.10mm and 1.70mm

- company would like to source friction material manufactured by BorgWarner, type 6910.
- Sonnax is distributing friction material called HTE, HTL and HTS

Advantages and innovations

dynamically growing company

Technical specification or expertise sought

Example of friction material:

Physical Characteristics:

- e-modulus: 29 – 66 N/mm²
- Thermal Decomposition: 325 °C (DSC inert gas)
- Thermal Conductivity: 0.185 – 0.186 W/mK

Conditions:

- Friction value (Ref. Dexron VI ATF)
- Dynamic: 0.13 – 0.16
- Static 0.10 – 0.14
- Recommended surface pressure: 0.3 – 4.8 N/mm²
- Max. surface pressure (dynamic): 5.5 N/mm²
- Max. surface pressure (static): 5.5 N/mm²
- Oil cooling
- Recommended oil temperature: 80°C
- Max. oil sump temperature: 150°C
- Quantity (circulation): 0.5 L/min

Stage of development

Already on the market

IPR Status

No IPR applied

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 12: Responsible Consumption and Production**

Partner Sought

Expected role of the partner

Manufacturer or distributor of friction material

Type of partnership

Type and size of the partner

Commercial agreement

- SME 11-49
- Big company
- SME <=10
- SME 50 - 249

Dissemination

Technology keywords

- **02006001 - Materials, components and systems for construction**

Targeted countries

- **World**

Market keywords

- **09004008 - Other manufacturing (not elsewhere classified)**

Sector groups involved

- **Mobility - Transport - Automotive**