



Product Data: **Magnetorheological (MR) Fluid**

Category: **Smart Controllable fluid**

Product Code: **AMT - RHEOTEC⁺**

(*Applicable for Advanced Vibration /motion control based devices)

MR fluid is a smart controllable fluid, which when activated with electro-magnetic field, instantaneously changes from a free flowing liquid to a Semi-Solid and vice versa. **AMT-RHEOTEC⁺** is a silicon based MR fluid exclusively formulated for heavy Motion control in Heavy Machineries, Actuators, Robotics and other wide range of applications. This variant has high yield strength to take up heavy loads and dissipate the energy with minimal consumption of power.

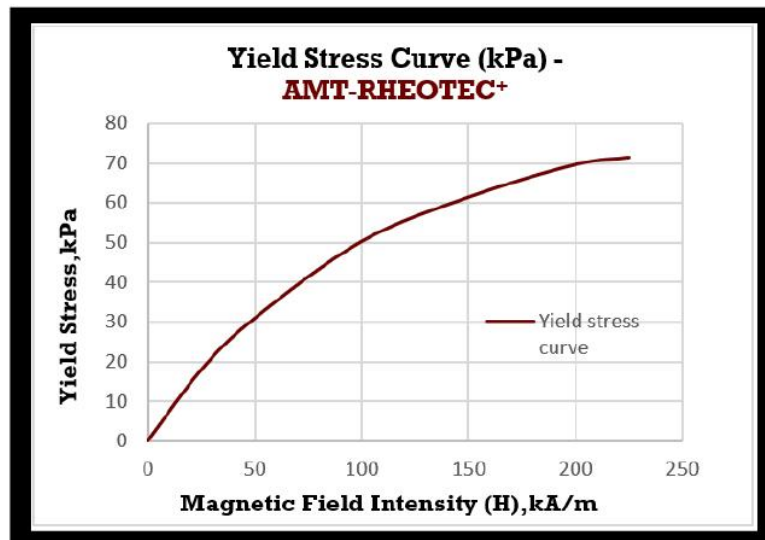
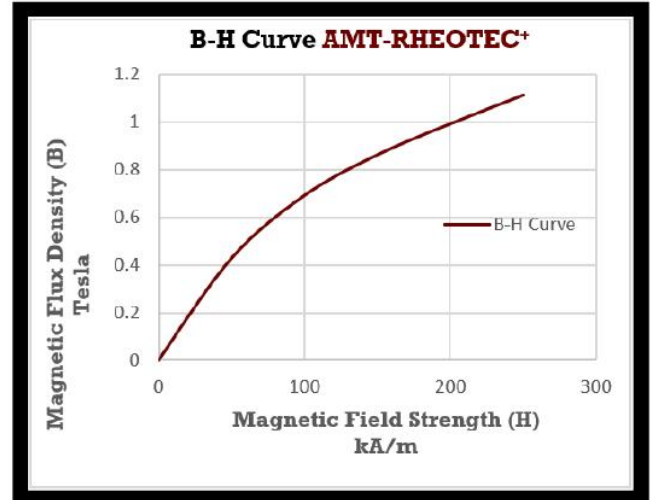
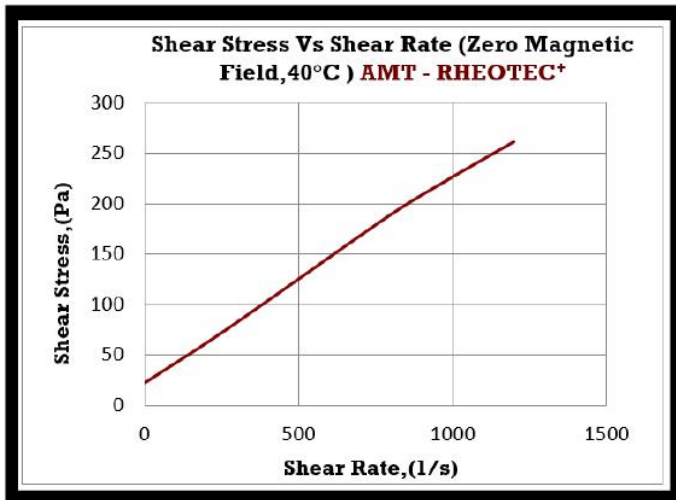
Why AMT - RHEOTEC⁺ ?

- Wide Range of Yield Stress achievable at minimal Field Intensity
- Settling Resistant with proven stabilizers (Additives)
- Wide range of Operating Temperature
- Rapid response to Magnetic Field (Milliseconds)
- Highly Stable at ON/OFF State
- Optimum Viscosity, Enhanced Lubricity and Wear resistant
- Low power Consumption

Technical Properties

Appearance	Dark Gray Liquid
Density (g/cm ³)	3.10 - 3.30
Viscosity (Pa.s) 40°C (500 - 800 1/s)	0.24 ± 0.027
Response Time	< Milliseconds
Flash Point(°C)	>180
Operating Temp Range(°C)	- 40 to +150
Solid Content by Weight %	84
Max.Yield Stress (kPa) @ 100 1/s, 180 kA/m	69 ± 5

Choose RHEOTEC⁺ for better durability and high yield



Storage Note: Keep the bottle tightly closed when not in use.

Please Note: Shake well before use. (*A slight degree of separation is noticeable between the carrier fluid and the particles under static conditions *No such separation is observed under flow conditions)

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