

Technical Specifications

NETZSCH

DMA 303 Eplexor®

Temperature range	-170°C to 800°C
Heating rate	0.01 K/min to 40 K/min
Frequency range	0.001 Hz to 150 Hz
Force range	From 1 mN to 50 N
Maximum controlled amplitude	± 2.5 mm
Static deformation	Up to 30 mm
Cooling device	<ul style="list-style-type: none">▪ Liquid nitrogen: -170°C to 800°C▪ AIC 80 air intracooler: -30°C / -70°C to 800°C;▪ Compressed air: RT / 15°C to 800°C
Deformation modes	3-point bending, Single / dual cantilever bending, shear, tension, compression/penetration
Measurement modes	Temperature sweep, timesweep, Temperature-frequency sweep, Frequency sweep, Universal test, Creep/Relaxation, Load Sweep, TMA mode (optional)
Optional accessories	Humidity, Immersion bath, UV light, Camera, Dielectric Analyzer (DEA)