

## DATA SHEET

# POLYMIX® MFC 90 D

## Laboratory mill

### RESULTS ARE CRUCIAL

Attainable particle sizes	< 40µm (depending on product)
Sieve kernel sizes	1/5 of sieve diameter is the approximately attainable kernel size e.g., sieve 0.2 mm / 5 = 0.04 mm (40µm)
Grinding attachment variants	Hammering / Blade from hardened stainless steel Hammer grinding attachment: brittle samples Blade grinding attachment: stringy, fibrous samples

### TECHNICAL INFORMATION

Funnel volume	300 ml
Product discharge	For collection tubes with norm grinding NS29
Sieves	0.2 to 6 mm mesh size
Grinding attachments (convertible)	Hammer grinding attachment Blade grinding attachment
Motor	Wear-free three-phase motor Gearless direct drive Security system auto-off
Drive power	1000W
Speed range	50 to 6000 rpm
Sound level (without load)	70 dB(A) for 6000 rpm
Supply voltage	100 - 230 V ± 10%, 50Hz/60Hz
Maximum relative humidity	80% in storage 80% during operation
Operating temperature	0 - 40 °C
Protection class according to DIN	IP 20
Measurements (L x W x H)	325 x 251 x 480 mm
Weight	12kg
Standard EMC	IEC / EN 61000-6-2 / EN 61000-6-3
Safety Norm	IEC / EN 61010-2-51



Our modular accessories provide the utmost flexibility. Switching grinding attachments is as easy as changing sieves.

#### GRINDING ATTACHMENTS

Sales No.	Product	Description
35031001	Hammer grinding attachment	Consists of 3-armed rotor and grooved stator / tool included.
35031002	Blade grinding attachment	Consists of 3-armed rotor with cutting knives and stator with 3 cutting bars / tool included.



#### SIEVE ATTACHMENTS

Sales No.	Product	Description
35095002	Sieve 0.2	Hole diameter 0.2mm
35095005	Sieve 0.5	Hole diameter 0.5mm
35095008	Sieve 0.8	Hole diameter 0.8mm
35095010	Sieve 1.0	Hole diameter 1.0mm
35095015	Sieve 1.5	Hole diameter 1.5mm
35095020	Sieve 2.0	Hole diameter 2.0mm
35095030	Sieve 3.0	Hole diameter 3.0mm
35095040	Sieve 4.0	Hole diameter 4.0mm
35095050	Sieve 5.0	Hole diameter 5.0mm
35095060	Sieve 6.0	Hole diameter 6.0mm



Depending on the sample, even finer results can be achieved by grinding with two or more sieves with progressively smaller hole sizes. Each mill includes a 2.0mm sieve attachment.

Hole diameter: Depending on the product, 1/5 of sieve diameter is the approximately attainable particle size.

Example: Sieve 0.2mm / 5 = 0.04mm (40µm)

