

TECHNICAL DATA SHEET

Extrova™ Micro Injection Molding Machine

Micro injection molding platform • Micro sampling • Standard specimens • Precise validation



ACS Material Extrova™ Micro Injection Molding Machine

CONTENTS

- 01 Product Overview
- 02 Core Advantages
- 03 Test Standards & Specimens
- 04 Applications

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SECTION I

Product Overview

The Extrova™ Micro Injection Molding Machine is a micro injection molding platform for polymer R&D, formulation screening and performance testing, with efficient and stable preparation of standard specimens — micro sampling, standard specimens, precise validation.

SECTION II

Core Advantages

- **Micro molding** — designed for high-value materials and small batches
- **Precise molding** — stable process for consistent parts
- **Standard specimens** — tensile, impact, flexural, and rheology specimens
- **R&D validation** — screening, development, and testing



Precision molds for standard specimens

SECTION III

Test Standards & Specimens

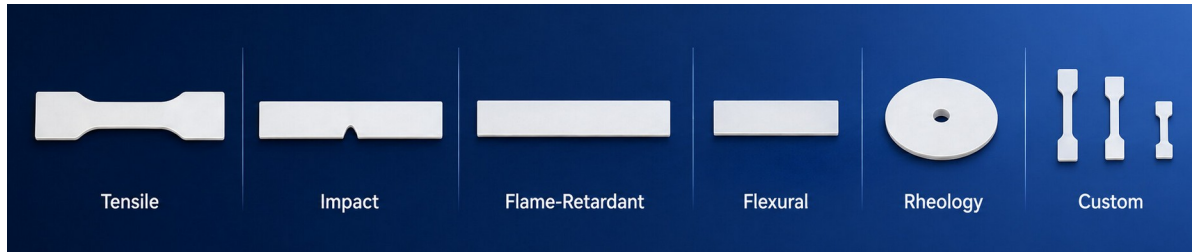
Applicable test standards

Applicable Test Standards	
GB/T 1040	Tensile properties of plastics — Chinese national standard
ISO 527	Tensile properties of plastics — international standard
ASTM D638	Tensile properties of plastics — US standard

For both research and standardized testing.

Standard specimen types (custom geometries available)

- Tensile specimens
- Impact specimens
- Flame-retardant specimens
- Flexural specimens
- Rheology specimens
- Custom specimens



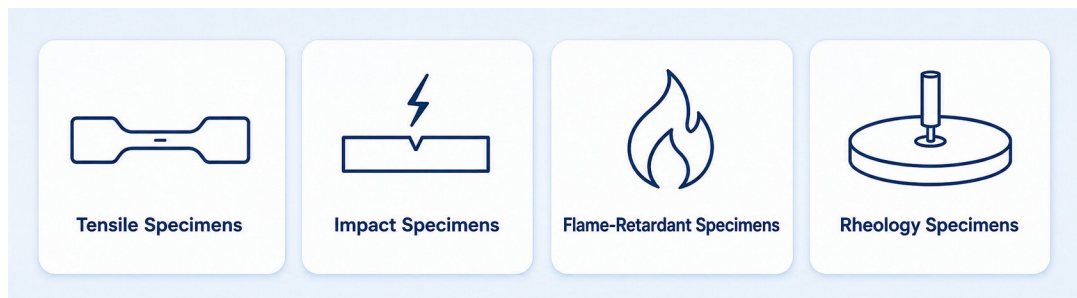
Standard specimen display (custom geometries available)

SECTION IV

Applications

Typical applications for the Extrova™ Micro Injection Molding Machine include:

- **Tensile specimen preparation** — standard tensile bars for mechanical testing
- **Impact specimen preparation** — impact bars for toughness evaluation
- **Flame-retardant specimen preparation** — specimens for flame-retardancy testing
- **Rheology specimen preparation** — sample discs for rheological testing



Typical application specimen types

Product value: easier specimen preparation, better specimen consistency, shorter R&D cycles, and support for material evaluation.

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