



HARZ Labs

MATERIALS FOR 3D PRINTING

INDUSTRIAL ABS

Designed for industrial needs. Mechanical properties are close to molded ABS. Accurate, non-brittle and odorless resin

Industrial ABS resin designed for creating end parts. Fully cured polyurethane-based material has similar mechanical properties to ABS molded parts – high hardness and toughness. Chemical properties are close to polyurethane and strong as molded ABS.

Due to chemical composition it is safety material what makes it suitable for printing functional end parts such as body parts, cases, functional prototypes etc. Accurate, non-brittle and odorless resin for your manufacturing needs.

Characteristics	Value
Appearance	Colored transparent liquid
Color	Black
Odor	Odorless
Viscosity (Brookfield)	0,5-0,8 Pa*s
Tensile strength	48 N/mm ²
Elongation at break	10%
Hardness Shore D	84
Shrinkage	0,5%

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INDUSTRIAL
ABS

1kg

ADVANTAGES



Unique mechanical properties

Very high hardness and tensile strength made this material ABS-like. Now it's suitable for creating end parts



Odorless

Resins are odorless and cause no irritation, so you can work with natural ventilation without special technique



Low shrinkage

Shrinkage less than 0.5% gives you the same size like 3D model on your computer and it doesn't change size after postcuring



Safe

Resin does not contain solvents and volatile monomers, irritating compounds. No fumes, odor and allergic reaction



Stable

Resin is very stable, you can leave it for a long time in the vat, no sedimentation and gel formation occur – no need to mix

COMPITABLE PRINTERS



ASIGA



PRUSA
RESEARCH
by JOSEF PRUSA

zortrax

MoonRAY



FLASHFORGE

