

iClay 61H

Automotive Styling Clay | Technical Data Sheet

Product Description

iClay 61H is a high-hardness automotive styling clay formulated with synthetic waxes, oils and mineral fillers. It provides excellent surface definition, dimensional stability and machining performance for advanced styling models.

Applications

Automotive styling modelsTransportation concept modelsIndustrial design prototypesAppearance verification models

Key Features

- Fine texture and smooth surface finish
- Excellent carving and machining behavior
- High plasticity
- Suitable for CNC machining and precision refinement
- Stable long-term properties

Technical Data

Property	Test Method	Specification
Appearance	Visual inspection	Uniform color, smooth texture, no particles
Color	Visual inspection	Dark brown
Density (g/cm³)	GB 4472-84	≤1.1
Hardness (23°C)	Shore C	83-90
Hardness (60°C)	Shore C	0
Recovered hardness (23°C/30min)	Shore C	60-75
Linear shrinkage (0-60°C)		<2.8×10 ⁻⁴ K ⁻¹
Shelf life		2 years

Hardness-Temperature Behavior

A cylindrical specimen was heated at 60°C and then cooled under 23°C room temperature conditions.

Processing Guidelines

Heat at approximately 55-60°C for 1-3 hours. Apply onto the model armature. After cooling, perform carving, trimming and surface refinement.

Packaging

Rod size: 270(±0.5) mm × Ø55 mmPacking: 15 rods/carton

Storage

Store in a dry and cool place. Storage temperature: 10-25°C. Relative humidity: 0-50%.

Safety Precautions

Do not heat above 60°C. Avoid skin contact with hot material. Keep away from ignition sources.

Notes

Technical data are measured under specified conditions. Customers should conduct application testing before use.

US customary-unit equivalents

US customary-unit equivalents are provided for convenience alongside the original SI test data. The original source values and test methods remain the controlling reference. Converted values are rounded.

Source value	US equivalent
23 °C	73.4 °F
60 °C	140 °F
0-60 °C	32 to 140 °F
55-60 °C	131 to 140 °F
10-25 °C	50 to 77 °F