

iClay 61M

Automotive Styling Clay | Technical Data Sheet

Product Description

iClay 61M is a medium-hardness automotive styling clay formulated with synthetic waxes, oils and mineral fillers. It provides excellent formability, dimensional stability and extended working time for concept development and prototype styling applications.

Applications

Automotive styling models Transportation concept models Industrial design prototypes Appearance verification models

Key Features

• Medium hardness grade • Excellent workability after heating • Extended working time for complex surfaces • Easy carving with low tool resistance • Low shrinkage and recyclable

Technical Data

Property	Test Method	Specification
Appearance	Visual inspection	Uniform color, smooth texture, no particles
Color	Visual inspection	Yellow-brown
Density (g/cm ³)	GB 4472-84	≤1.1
Hardness (23°C)	Shore C	75-85
Hardness (60°C)	Shore C	0
Recovered hardness (23°C/60min)	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 mm Packing: 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
61 M	200.1 ft
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