

TOYO ALUMINIUM K.K.

ALUMINIUM POWDER AND PASTE



TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Date: September 26, 2024

PRODUCT NAME: D453 RE

TYPE: Colored Aluminium Paste: FRIEND COLOR®

PRODUCT SPECIFICATION

Characteristics	Typical value	Unit	Test Method
Non-volatile content	48.0 Min	%	by Weight
	52.0 Max	%	
Screen analysis >45μ	0.2 Max	%	Wet screen
Color	In Accordance with our standard		Drawdown

INDICATIVE VALUES

Characteristics	Typical value	Unit	Test Method
Volatile content	52.0 Max	%	by Weight
Solvent composition			
Naphtha (petroleum), hydrotreated heavy 26	App.	%	
Solvent naphtha (petroleum), light aromatic 24	App.	%	
Non-volatile composition			
Aluminium flake	26	App.	%
Methacrylic acid polymer	5	App.	%
Diketo-Pyrrolo-Pyrrole	19	App.	%
Particle size D50	12	μm	Microtrac
Specific gravity	1.2	g/cm ³	by calculation

SHELF LIFE

18 months from production date

ASSOCIATED SAFETY DATA SHEET

Refer to safety data sheet - SDS D453 RE

The data given in this technical data sheet are in accordance with the current status of our knowledge and experience. Technical details and information on our products are given as technical quality description and do not imply guaranteed properties in the legal sense. We reserve the right to modify any product data as a result of technical progress or new developments in the manufacturing process.