

Typical Properties

Appearance	Miky White Liquid
Specific Gravity@25°C	0.950 - 1.000
pH Value (1:40 Dilution)	7.5 - 8.5
Refractometer Reading (1:40 Dilution)	0.5 - 0.6
Temperature Range for Application, °C	200 - 350

Product Description

SMARTCAST DC7833A is compounded from alkyl-modified polyorganosiloxane, extreme-pressure and emulsifying agents which exhibit good mold-release functionality with excellent cast finishing.

SMARTCAST DC7833A have a good adhesion onto the applied die surfaces even under temperature up to 350°C during operations. The product will not produce carbon residue and oxidizing film in the workpieces during operation.

SMARTCAST DC7833A can maintain the optimum molding temperature during operations, excess heat can be dissipated via water evaporation, hence the fill-up of the molten aluminum in the cavities of the die will not undergo the rapid cooling process and porosity in cast finishing can be avoided.

SMARTCAST DC7833A exhibits low surface tension which can promote superior wetting during operations. A lubricating oil film will be formed when molten aluminum is injected into the cavity of the die, which can ensure the good performance in mold releasing.

SMARTCAST DC7833A is low odor and will not evolve offensive smell during molding process, hence, good working environment can be guaranteed.

SMARTCAST DC7833A is good for aluminum molding process, as it can form a protective, non-staining coating in the metal surfaces. The finished product will not interfere with painting or plating operation conditions.

SMARTCAST DC7833A is a biodegradable product, so is environmentally friendly.

Applications

Generazl Processing
Sophisticated Processing
Typical Processing

Dilution Ratios (DC7833A : Water)

1:60 - 1:80
1:30 - 1:50
1:40 - 1:70

Print date: 25-12-25

Disclaimer: Information provided by this website and product page including specifications, applications and formulations are based on tests and data supplied by Smart Oil companies, manufacturers or any of our collaborated companies or suppliers, which are believed to be correct and reliable at the time of writing and data update. However, Smart Oil companies, manufacturers or any of our collaborated companies or suppliers make no warranty or responsibility, express or implied, of any kind regarding products, performance, formulations or applications, as operation conditions and application environments are beyond our control, or products will be modified by action of manufacturers or due to change in market environments. Users are herewith expressly requested to conduct test to determine the suitability of our products or product information before use. Furthermore, we regret that we cannot be responsible for informing customers any changes in specifications, formulations, or other technical contents on this website and product page. Also, We hereby state that all product trademarks other than Smart Oil, including trademarks from our , suppliers are the trademarks belong to the respective companies, or from their sources.