

### 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
Std Packaging (NW / GW, Kg)	19.0 / 18.0

### 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

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