

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

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