Printing & Packaging
Functional Packaging Coatings

Technical Data Sheet

Joncryl® 2178-A
(old: Joncryl® 2178)

We create chemistry

Product Description	**Joncryl® 2178-A is a film forming, Rheology Controlled (RC) acrylic emulsion for functional packaging coating applications.**
Key Features & Benefits	***- Dry and wet block resistance*** ***- Non-skid properties*** ***- Excellent printability*** ***- Glycol ether free, HAPS free*** ***- Ultra low VOC***
Chemical Composition	**RC acrylic emulsion**

Properties

Typical Properties	Appearance	translucent emulsion
	Non-volatile at 145°C (2g, 30 min)	~ 44.0 %
	pH at 25°C	~ 8.5
	Viscosity at 25°C (#2 LV, 30 rpm, 30 sec)	~ 400 – 1,000 cps
Typical Characteristics	Appearance	translucent emulsion
	Molecular weight (Mw)	> 200,000
	Non-volatile	44%
	pH	8.5
	Acid number (NV)	66
	Viscosity at 25°C (Brookfield #2 LVF spindle, 30 rpm)	800 cps
	Density at 25°C	1.04 g/cm³
	MFFT	< 0°C
	Tg	42°C
	Freeze-thaw stable	No
	Total VOC	< 0.005% wt
	Glycol ether level	< 0.002% wt

These typical values should not be interpreted as specifications.

Applications

Joncryl® 2178-A is a hard film forming, RC acrylic emulsion with excellent wet and dry block resistance that provides a high slide angle. This combination of properties makes it ideal as a fundamental building block in multi-wall bag and beverage carton formulations. Maximum wet/dry block resistance is obtained when using this emulsion in ink and overprint formulations. In addition, this product provides gloss, printability, and rub resistance to formulations.

Since Joncryl® 2178-A is a glycol ether-free, ultra-low VOC emulsion, it is ideal for demanding packaging applications like confectionery and food packaging markets that cannot tolerate solvent odor contamination.

Joncryl® 2178-A is recommended for applications such as:

- Functional packaging coatings for barrier applications

Safety

General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State, and Local health and safety regulations, thorough ventilation of the workplace, good skin care, and wearing of protective goggles.

Material Safety Data Sheet

All safety information is provided in the Material Safety Data Sheet for Joncryl® 2178-A.

Important

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