

## Goodfellow Polyacrylamide/acrylate Hydrogel

Category : Polymer , Thermoplastic

### Material Notes:

A copolymer of acrylamide and acrylic acid (normally supplied as the sodium salt) that is cross-linked sufficiently to render it insoluble in water but which retains its hydrophilic nature. It therefore can absorb a very large amount of water, swelling proportionately as it does so. The amount of water that can be absorbed is typically around 400x the weight of polymer if the water is completely free of solutes, decreasing quite markedly as the level of solute(s) increases. Its applications include horticulture, hygiene products like disposable diapers and innumerable odd jobs around the laboratory. Information provided by Goodfellow.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Goodfellow-Polyacrylamideacrylate-Hydrogel.php](http://www.lookpolymers.com/polymer_Goodfellow-Polyacrylamideacrylate-Hydrogel.php)

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in <sup>3</sup>	

Descriptive Properties	Value	Comments
Chemical Resistance - Alcohols	Good	
Chemical Resistance - Alkalis	Fair	
Chemical Resistance - Aromatics	Good	
Chemical Resistance - Dilute Acids	Good-Fair	
Chemical Resistance - Halogens	Good	
Chemical Resistance - Ketones	Good	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China