

Bioscrub® Series 

Natural irregular exfoliants based on PHB with a broad biodegradability profile

Attributes & Benefits

- Provides aggressive to gentle exfoliation depending on particle size
- Available in 20 and 50 mesh sizes
- Highly sustainable biofermentation material produced from vegetable sugars
- Biodegradable in both freshwater and marine environments; not a microplastic under ECHA
- Worldwide approval except China and Canada

INCI Name

Polyhydroxybutyrate

Naturality (ISO 16128)

| | | | |
|----------------------|---|----------------------|---|
| Natural Index | 0 | Organic Index | 0 |
| Natural Origin Index | 1 | Organic Origin Index | 0 |

Suggested Applications

Liquid surfactant detergent systems; body wash, liquid hand soap, facial cleanser, shampoo and scalp treatment. Emulsion systems, bar soap, hot pours. Skincare products and select color cosmetics (lip scrub/primer).

| Typical Properties | Bioscrub 20PC | Bioscrub 50PC |
|------------------------------|---------------|---------------|
| Color | White | White |
| Particle Shape | Irregular | Irregular |
| Melting Point ° C | 170 - 180 | 170 - 180 |
| Density @ 25 ° C (g/cc) | 1.25 | 1.25 |
| Maximum Particle Size (mesh) | 20 | 50 |
| Maximum Particle Size (µm) | 840 | 297 |