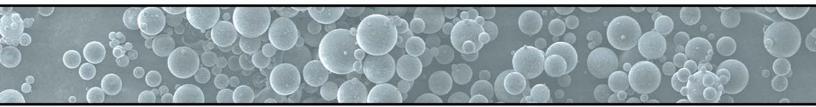


What are Prolite Microsphere Filler Blends?

Prolite Blends feature solvent resistant expanded polymeric microspheres that can be blended with a variety of minerals and chemicals to your specific gravity requirements.



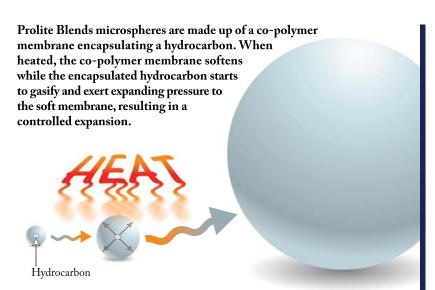
Prolite Microsphere Filler Blends extremely low density can replace other higher density raw materials thus **reducing the weight** of your product while **increasing your volume** and **lowering your cost** by volume. Reduced weight can mean better gas mileage, lower freight cost and easier product handling. In addition, the use of Prolite can **reduce shrink**, **lower VOC's**, provide **thermal insulation**, and **sound reducing** properties. If you are already using a lightweight sphere, by moving to a lightweight blend you can reduce the number of separate additions to your batching, greatly simplifying your process and reducing potential of errors.

Benefits of using Prolite Blends

- Reduced Weight
- Thermal Insulating
- Reduced Cost
- ♦ Closed Cells
- ◆ Reduced Shrinkage
- ♦ Reduced VOC's
- Sound Insulating
- ♦ Sand-ability

Processing Features of Prolite Blends

- ♦ Sprayable
- ♦ Shear Stable
- ♦ Compressible
- ♦ Pumpable





Prolite Microsphere Filler Blends can be used as a lightweight filler in many applications.

Paints

Coatings
Polyester Putty
Caulks
Sealants
Foam Tooling Board
Under-body Coatings
Fiberglass Spray-up
Cultured Marble
Concrete



Prolite cost competitive particulate microsphere blends are engineered to reduce weight, simplify processing, and save you money.

Prolite Microsphere Filler Blend Benefits

Reduced Weight

The use of a Prolite Blend can provide considerable weight reduction. Due to its extremely low density, Prolite Blends will volumetrically displace other higher density fillers.

Lower Cost

The use of a Prolite Blend can result in significant cost savings. This is because Prolite Blends can volumetrically replace more expensive resins and binders.

Closed Cell Structure

Prolite Blend expanded polymeric microspheres unique uniform closed cell structure will reduce water penetration and provide a more uniform foam product as compared to a blowing agent or open cell structure lightweight additive.

Sand-ability

Prolite Blend products have very low abrasiveness and are easy to sand.

Thermal Insulating

The use of Prolite Blends will reduce thermal conductivity of the final product. This is accomplished by its hollow, closed cell structure, which introduces closed voids into the material.

Sound Insulation

The use of a Prolite Blend in under-body coatings will give improved sound and vibration insulation properties.

Reduced Shrink

Prolite Blends have a low resin/binder demand. Adding Prolite Blends to a matrix with a shrinking resin/binder can result in less shrink, improving the properties and finish of the end product.

Reduce VOC's

The use of Prolite Blends will volumetrically reduce resin/binder which reduces VOC emissions from the resin/binder.

Prolite Microsphere Filler Blends Processing Features

Shear Stable

Prolite Blends polymeric microspheres are virtually unbreakable during high shear stress. The Prolite Blends lightweight spheres flex and absorb the high shear.

Compressible

Prolite Blends under compression will act like a balloon, compressing and elongating while under pressure and popping back to sphere form as soon as the pressure is released.

Pumpable

As with the shearing, Prolite Blends can be pumped virtually undamaged because of its extremely low density and elasticity.

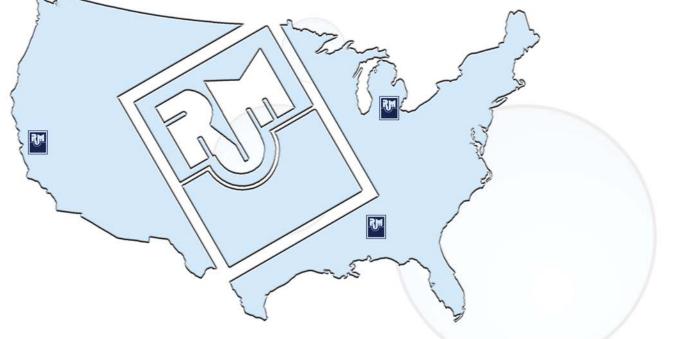
Locations

The R.J. Marshall Company processes and ships Prolite Blend products from three (3) processing locations in the United States.

Valley Springs, CA (near Sacramento)

Rockwood, MI (near Detroit)

Alpine, AL (near Birmingham)





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