

Environmentally sustainable process aid that increases throughput and consistency of organic rubber, plastic, and silicone rubber.

Spherix® Mineral Products manufactures and markets post-industrial ceramic microspheres. Our products provide unique advantages for applications seeking better material integration, stronger properties, and faster processing.



Applications

- Rubber
- Plastics
- Silicone Rubber

Features

Enhances:

- Optimum utilization of functional additives
- Mixing, extrusion, and molding rates
- Surface smoothness
- Product uniformity and batch-to-batch consistency
- Uniform flow under shear

Reduces:

- Shrinkage
- Warp
- Mold fouling
- Process run rates and motor load

Incorporation

For elastomeric systems, addition recommended with polymer in a pre-mastication step before adding remaining ingredients as normal. Suggested dosage at 3% - 6% by weight.

For plastics, addition recommended in pre-blend of master mix. Suggested dosage at 4–10 phr.

Properties

	Spherix® 20M
Color	Beige
Specific Gravity	2.3
Bulk Density	60 lb/ft ³
D50	4 µm
Mohs Hardness	6
pH	7.0