

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

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



Applications

Rubber, Plastics, Silicone Rubber

Enhances

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

Reduces

- Shrinkage and warp
- Yield loss
- 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
D98	10-15 µm

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