

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	Reduces
<ul style="list-style-type: none"> • Optimum utilization of functional additives • Mixing, extrusion, and molding rates • Surface smoothness and uniform flow under shear • Product uniformity and batch-to-batch consistency 	<ul style="list-style-type: none"> • 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® 15
Color	Beige
Specific Gravity	2.3
Bulk Density	58 lb/ft ³
D50	3 µm
Mohs Hardness	6
pH	7.0
D98	10-15 µm

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