

Silicone Masterbatch SIM 1060

Product Profile

Processing additive for thermoplastics to improve the flowability and surface glossiness, increase scratch resistance.

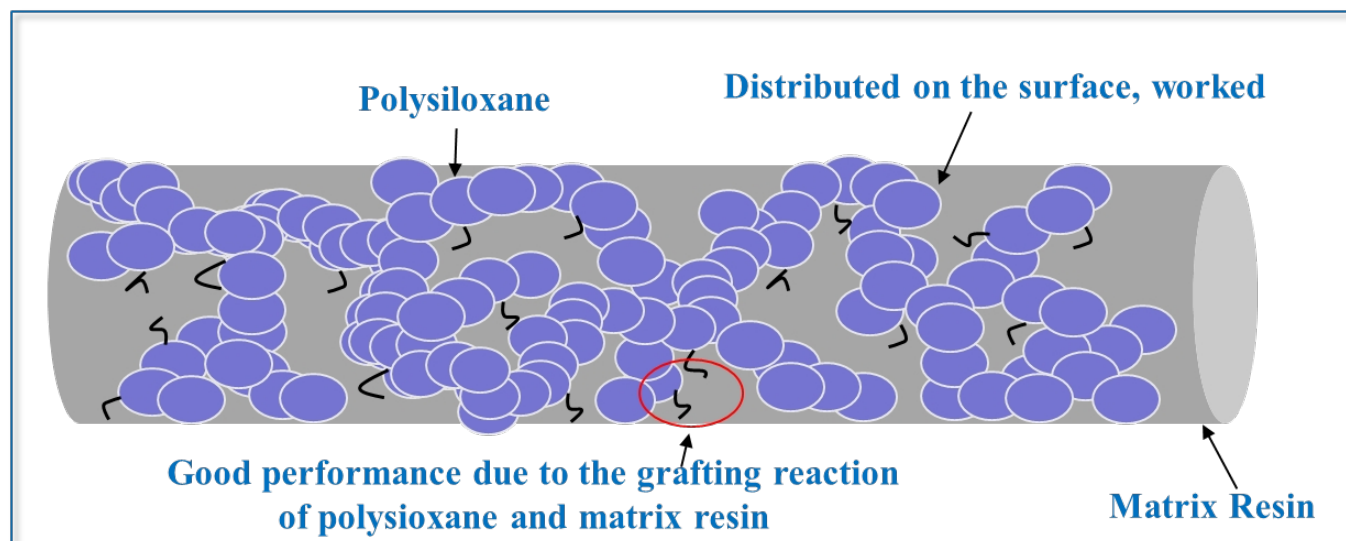
Specification

Item	Unit	Value
Appearance		white granule
Active Ingredient Content	%	≥50
Bulk Density	g/cm ³	0.25-0.40

Feature

1. Obviously reduce the friction factor of product surface. Improve smoothness and scratch resistance.
2. Reduce the torque of screws, improve processability.
3. Improve the surface glossiness of reinforced/filled products, reduce final products' defective rate.

Mechanism



Application

PP and thermoplastic elastomer (TPE, TPV), Polyolefin/ polar resin (PBT, PA), BOPP/CPP film, cable PP, PE etc.

Recommended Dosage

0.5-3%.

Application case

SIM 1060 applied in PP +Talc20

Mark	PP/Talc20 (1)		PP/Talc20 (2)	
	Talc (1250): 20, elastomer: 10, Silicone masterbatch: 2		Talc (1000): 20, elastomer: 5, Silicone masterbatch: 2	
	ΔL	Average ΔL	ΔL	Average ΔL
Market product	1.69	2.28	2.16	2.45
	2.55		2.82	
	2.59		2.36	
SIM 1060	1.14	1.11	1.62	1.55
	1.24		1.42	
	0.96		1.63	

PP/T20 (2)

Day	1	4	6	7	11	Rework
Average ΔL	1.55	1.60	1.57	1.48	1.53	1.62

Conclusion: SIM 1060 has better scratch resistance and long timeliness.

Package & Storage

20kg/ carton, transported as common industrial goods. Prevented against moisture and sunshine