

## MICROGLAS® GLASS FLAKE

Microglas® Glass Flake is produced in two glass compositions:

C-glass for corrosion resistant coatings and barriers

E-glass for polymer reinforcement

Glass composition							
Type of glass	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	CaO	MgO	B <sub>2</sub> O <sub>3</sub>	Na <sub>2</sub> O+K <sub>2</sub> O	ZnO
C-glass (%)	65-72	1-7	4-11	0-5	0-8	9-13	0-6
E-glass (%)	52-56	12-16	16-25	0-6	5-13	0-0.8	

## MICROGLAS FLEKA®

Microglas Fleka® is a granulated form of Microglas® Glass Flake with improved processing characteristics.

Microglas Fleka® granules are made from untreated glass flakes bonded together with a special binder and surface treated.

### Classification of Microglas Fleka®

Product Code	REFG - 101	REFG - 301	REFG - 302
Glass Composition	E Glass	E Glass	E Glass
Base Glass Flake (untreated)	REF - 600	REF - 160	REF - 160
Average Particle Size (mm)	1.0	0.5	0.6
Binder Type	Epoxy	Epoxy	Urethane
Coupling Agent	Amino silane /Epoxy silane	Amino silane /Epoxy silane	Amino silane
Loss on Ignition (%)	0.6	0.6	0.6
Applicable Resins	PPS, PET, PA,PC, PBT	PPS, PET, PA,PC, PBT	M-PPO, PA, PPE

### Identification of Microglas Fleka®

RE	E glass
F	Glass flake
G	Granulated
1	Type of Glass Flake
01	Type of binder

*Manufactured by NIPPON GLASS FIBER Co. Ltd*