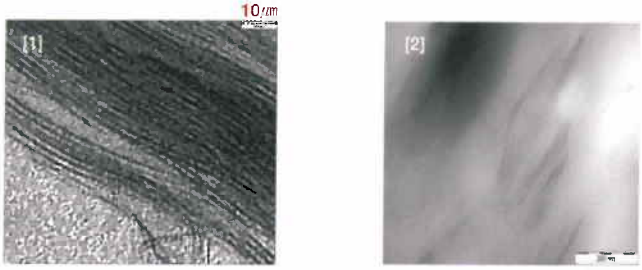
轻量与减重

纳米粘土PP复合物

三星道达尔 的NP52PT能够为汽车零部件的减重项目 提供最好的解决方案. 纳米粘土在PP基材中能够得到了很好的分散. 我们的复合物在满足低线膨胀系数(CLTE)和耐刮擦性能要求的同时还具有低密度的优点。这种复合物可广泛应用于大型的汽车内饰件和外饰件以满足其对尺寸稳定性的要求.

特性

- 轻量
- 低线膨胀系数(CLTE)
- 优异的抗刮擦性
- 低成型温度



纳米粘土的分散状态 [1] 中间阶段 [2] 最终阶段

基本性能

性能	测试方法	单位	NP52PT
熔指	ASTM D1238	g/10min	15
密度	ASTM D1505	g/cm^3	0.94
弯曲模量	ASTM D790	MPa	1,400
Izod冲击强度(-30℃)	ASTM D256	kg-cm/cm	3.2
CLTE(-30~30℃)	ASTM D696	x10^{-5}m/m/℃	6.2↓

应用

门槛装饰条

* 以上物理性能数据是在实验室特有条件下测得的典型值，不作为产品规格，仅供参考。

SAMSUNG TOTAL PETROCHEMICAL Co., Ltd.
411-1, Dokgot-ri, Daesan-eup, Seosan-si, Chungnam 356-711 Korea
TEL: 82-41-660-6190 FAX: 82-41-681-6189
Homepage: www.samsungtotal.com

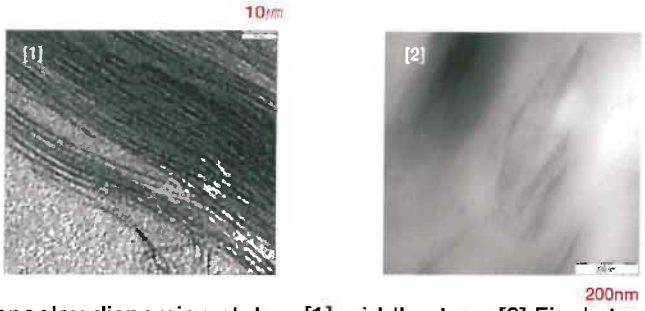
Light Weight & Weight Reduction

Nanoclay PP Composite

STC NP52PT provides one of the best solutions in light weight project of automotive parts. Homogeneous and well dispersion of nanoclay in PP matrix is performed. It is good to use for requirements of low CLTE and excellent scratch resistance including merit of the low density. It will be widely used in larger parts of exterior or interior parts of automobile by satisfaction of their requirements with dimensional stability.

Characteristics

- Light weight
- Low CLTE
- Excellent scratch resistance
- Low temperature processing



Nanoclay dispersion status [1] middle stage [2] Final stage

Basic Properties

Properties	Test Method	Unit	NP52PT
MI	ASTM D1238	g/10min	15
Density	ASTM D1505	g/cm^3	0.94
Flexural Modulus	ASTM D790	MPa	1,400
Izod Impact (-30℃)	ASTM D256	kg-cm/cm	3.2
CLTE (-30~30℃)	ASTM D696	x10^{-5}m/m/℃	6.2 ↓

Applications

Side Sill Molding

*These are typical physical properties, and should not be construed as specifications.

SAMSUNG TOTAL PETROCHEMICAL Co., Ltd.
411-1, Dokgot-ri, Daesan-eup, Seosan-si, Chungnam 356-711 Korea
TEL: 82-41-660-6190 FAX: 82-41-681-6189
Homepage: www.samsungtotal.com