LOTTE CHEMICAL

SAMBARK LFT Co., Ltd.

LOTTE

SUPRAN® PP1330E

Long Fiber Reinforced Thermoplastics

General Information

Description

SUPRAN® is injection-moldable Long Fiber Reinforced Thermoplastics(LFT), PP1330Eis Polypropylene reinforced with 30wt% long glass fibers. Parts molded of SUPRAN® have outstanding mechanical properties such as high strength, stiffness, impact and creep resistance and low warpage combined with high heat deflection. SUPRAN® PP1330Eis suitable for structural parts in automotive and industrial application.

Applications

- Functional & structural parts for Automotive: Door module, Pan shroud etc,.

Physical Properties[1]

Physical	Test Method	Nominal Value			
Specific Gravity	ASTM D792	1.11			
Mold Shrinkage	ASTM D955	0.4	%		
Mechanical					
Tensile Strength	ASTM D638	1,100	kgf/cm^2	108	MPa
Tensile Strain	ASTM D638	2.7	%	2.7	%
Flexural Strength	ASTM D790	1,500	kgf/cm^2	147	MPa
Flexural Modulus	ASTM D790	60,000	kgf/cm^2	5880	MPa
IZOD Impact Strength(23℃)	ASTM D256	20	kg·cm/cm	196	J/m
IZOD Impact Strength(-30℃)	ASTM D256	21	kg·cm/cm	205	J/m
Rockwell Hardness	ASTM D785	108	R-scale		
Thermal					
HDT(18.6 kgf/cm^2)	ASTM D648	161	℃		

Processing Information

Cylinder Temperature	220~230℃(should not exceed 280 ℃)
Mold Temperature	40~70℃(should not exceed 100 ℃)

NOTE

ISO 9001

[1] Physical Properties : these are not to be construed as specifications.