

LNP™ THERMOCOMP™ Compound MB006HS - Americas

SABIC - Polypropylene

Tuesday, August 20, 2019

General Information

Product Description

LNP THERMOCOMP MB006HS is a compound based on Polypropylene resin containing 30% Glass Bead. Added features of this material include: Heat Stabilized, Healthcare.

General

Material Status	• Commercial: Active
Availability	• Latin America • North America
Uses	• Medical/Healthcare Applications
Also Available In	• Asia Pacific

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.12		ASTM D792
Molding Shrinkage - Flow (24 hr)	0.010	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ²	376000	psi	ASTM D638
Tensile Strength (Break)	4060	psi	ASTM D638
Tensile Elongation (Break)	23	%	ASTM D638
Flexural Modulus	296000	psi	ASTM D790
Flexural Strength	5950	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.39	ft-lb/in	ASTM D256
Unnotched Izod Impact (73°F)	4.3	ft-lb/in	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed, 0.126 in	145	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	4.0	hr
Rear Temperature	383 to 401	°F
Middle Temperature	419 to 437	°F
Front Temperature	464 to 482	°F
Processing (Melt) Temp	437 to 482	°F
Mold Temperature	86 to 122	°F
Back Pressure	29.0 to 43.5	psi
Screw Speed	30 to 60	rpm

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min