HiPrene® HLG74NE

Polypropylene

GS Caltex

Message:

HiPrene® HLG74NE is polypropylene with 40% long glass fibers. The fibers are chemically coupled to polypropylene matrix. Pellets are cylindrical and usual length of embedded fibers is 10mm. This material combines excellent strength and stiffness with perfect impact resistance at low temperatures also. This grade is available in natural color.

General Information			
Filler / Reinforcement	Long Glass Fiber,40% Filler by Weight		
Features	Chemically Coupled Good Impact Resistance High Stiffness High Strength Low Temperature Impact Resistance		
Uses	Automotive Applications Industrial Applications		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.21	g/cm³	ISO 1183
Ash Content (600°C)	40	%	ISO 3451
Volatile Matter	0.12	%	Internal Method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	102		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	130	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus [1] (23°C)	9000	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	25	kJ/m²	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	160	°C	ISO 75-2/B
Injection	**Nominal Value**	**Unit**	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	
Rear Temperature	220 to 230	°C	

Middle Temperature	230 to 240	°C
Front Temperature	240 to 250	°C
Nozzle Temperature	240 to 250	°C
Processing (Melt) Temp	230 to 270	°C
Mold Temperature	30.0 to 75.0	°C
Injection Pressure	55.0 to 120	MPa
Injection Rate	Slow	
Holding Pressure	40.0 to 80.0	MPa
Back Pressure	0.00 to 3.00	MPa

NOTE		
1.	2.0 mm/min	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China