STERLENE™ HMU210

Polypropylene, Compounded(TPO)

Product Description

A specialty 20% talc filled polypropylene (PP-TD20) with good dimensional stability, and good heat resistance for automotive under-hood applications.

General			
Plant Location	• China	• Malaysia	
Features	• Good Dimensional Stability	• Good Heat Resistance	
Applications	• Automotive Under-hood Applications		
Color	• Black	• Natural	• Customized
Form	• Pellets Good Dimensional Stability		
Processing Method	• Injection Molding		

Physical	Test Method	Unit	Typical Value
MFR (230℃/2.16kg)	ISO 1133/B	g/10min	12
Density	ISO 1183	g/cm^3	1.05

Mechanical	Test Method	Unit	Typical Value
Tensile Strength at Yield	ISO 527/5	MPa	30
Tensile Modulus	ISO 527/5	MPa	2850
Elongation at Yield	ISO 527/5	%	5.0
Flexural Strength	ISO 178	MPa	50
Flexural Modulus	ISO 178	MPa	2800

Impact	Test Method	Unit	Typical Value
Izod Notched Impact Strength @ 23℃	ISO 180/B	kJ/m^2	4.2(C)

Thermal	Test Method	Unit	Typical Value
HDT @ 1.8MPa(85℃×2h anneal)	ISO 75-2/A	℃	87
HDT @ 0.45MPa	ISO 75-2/B	℃	120

General Processing Information

Pre-drying

The material may be pre-dried before processing to achieve optimized injection molding process and good aesthetics properties. The recommended drying time may be at least 2 hours using conventional driers/hoppers.

Injection molding

These grades can be processed on most types of injection molding machines. The typical temperature settings of the injection molding machine are: Melt temperature (190℃ - 240℃) and mold temperature (25℃ - 60℃).

Data presented are for reference only and it shall not be used for any specification purpose. Unless specified, all data listed is for natural or black colored compounds. The users are required to test and determine the product suitability under their specific application processing / environment before usage.

Legal Statement

This product is not intended for use in any food contact and medical application.

Typical values should be regarded as reference values only and not as specification to be used for part or tool design.