

# STERLENE™ CMW402

## PP+TD40

### Product Description

A specialty 40% talc filled polypropylene (PP-TD40) 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	
Processing Method	• Injection Molding	

Physical	Test Method	Unit	Typical Value
MFR (230°C/2.16kg)	ISO 1133/B	g/10min	18
Density	ISO 1183	g/cm <sup>3</sup>	1.22

Mechanical	Test Method	Unit	Typical Value
Tensile Strength at Yield	ISO 527-2	MPa	28
Elongation at Yield	ISO 527-2	%	2.8
Tensile Modulus	ISO 527-2	MPa	4000
Flexural Strength	ISO 178	MPa	46
Flexural Modulus	ISO 178	MPa	3800

Impact	Test Method	Unit	Typical Value
Izod Impact Strength@ 23°C	ISO 180/B	kJ/m <sup>2</sup>	4.0

Thermal	Test Method	Unit	Typical Value
HDT @ 1.8Mpa(85°C×2h anneal)	ISO 75-2/A	°C	91



### 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°C - 240°C) and mold temperature (25°C - 60°C).

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.

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### 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.

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