

STERLENE™ CMW402

Thermoplastic Polyolefin Elastomer

R&P; (Pte.) Ltd.

Message:

STERLENE™ CMW402 is a compounded mineral filled polypropylene (TPO) for injection molding, characterised by good dimensional stability and good heat resistance, suitable for automotive underhood application.

General Information			
Filler / Reinforcement	Mineral		
Features	Good Dimensional Stability		
	High Heat Resistance		
Uses	Automotive Applications		
	Automotive Under the Hood		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	19	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3950	MPa	ISO 527-2/50
Tensile Stress (Yield, 23°C)	26.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield, 23°C	3.1	%	
Break, 23°C	12	%	
Flexural Modulus ² (23°C)	3510	MPa	ISO 178
Flexural Stress ³ (23°C)	43.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C, Complete Break)	4.1	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	91.0	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Time	2.0	hr	
Processing (Melt) Temp	190 to 240	°C	
Mold Temperature	25.0 to 60.0	°C	
NOTE			
1.	Procedure B		
2.	2.0 mm/min		

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