

STERLENE™ KB010-A4001

Polypropylene Homopolymer

R&P; (Pte.) Ltd.

Message:

STERLENE™ KB010-A4001 Homopolymer Polypropylene (PP)resins with 20% talc suitable for Automotive applications, such as Under-The-Hood (UTH) and Air-Conditioning (HVAC) parts.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Homopolymer		
Uses	Automotive Applications		
	Automotive Under the Hood		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	32	g/10 min	ISO 1133
Water Absorption (23°C, 24 hr)	0.041	%	Internal Method
Ash Content ² (600°C)	19	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	23.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield, 23°C	4.0	%	
Break, 23°C	23	%	
Flexural Modulus ³ (23°C)	1900	MPa	ISO 178
Flexural Stress ⁴ (23°C)	36.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C, Complete Break)	5.0	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	59.0	°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.	30 min		
3.	2.0 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

