

PROTEQ™ H24ST8

Polypropylene Homopolymer

Marplex Australia Pty. Ltd.

Message:

PROTEQ™ H24ST8 is a high flow 40% Talc filled heat stabilised grade of polypropylene homopolymer. It has been stabilised to meet automotive heat aging requirements

General Information			
Filler / Reinforcement	Talc,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Heat Aging Resistance		
	Heat Stabilized		
	High Flow		
	Homopolymer		
Uses	Automotive Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	24	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	75		
Shore D, 15 sec	68		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.20 mm)	32.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	20	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	3600	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	51.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	40	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	330	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	137	°C	
1.8 MPa, Unannealed, 3.20 mm	83.0	°C	
CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Ignition Temperature (1.60 mm)	550	°C	AS/NZS 60695

Injection	Nominal Value	Unit
Drying Temperature	85.0 to 90.0	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	200 to 220	°C
Middle Temperature	210 to 230	°C
Front Temperature	220 to 240	°C
Processing (Melt) Temp	220 to 270	°C
Mold Temperature	50.0 to 80.0	°C
Injection Pressure	60.0 to 140	MPa
Injection Rate	Moderate	
Back Pressure	0.100 to 0.500	MPa
Screw Speed	40 to 60	rpm
Clamp Tonnage	3.0 to 6.0	kN/cm ²

NOTE

- | | |
|----|-----------|
| 1. | 50 mm/min |
| 2. | 50 mm/min |
| 3. | 10 mm/min |
| 4. | 10 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

