

PROTEQ™ C35UST23

Polypropylene Copolymer

Marplex Australia Pty. Ltd.

Message:

PROTEQ™ C35UST23 is one of the higher melt flow automotive polypropylene copolymers which contains 13% talc filler and features improved heat ageing and UV performance. PROTEQ™ C35UST23 has been designed to meet the stringent requirements of automotive interior trim durability specifications, combining easy processing with reduced gloss and improved marr resistance. Typical automotive interior applications are consoles, seat bolsters, steering shrouds, door liners and glovebox lids.

General Information	
Filler / Reinforcement	Talc,13% Filler by Weight
Additive	Heat Stabilizer
	UV Stabilizer
Features	Copolymer
	Good Heat Aging Resistance
	Good Processability
	Good UV Resistance
	Heat Stabilized
	High Flow
	Low Gloss
Uses	Automotive Applications
	Automotive Interior Parts

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.998	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	32	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	1.4	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	72		
Shore D, 15 sec	63		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.20 mm)	28.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	40	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2150	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	46.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	55	J/m	ASTM D256

Unnotched Izod Impact (3.20 mm)	700	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	119	°C	
1.8 MPa, Unannealed, 3.20 mm	65.0	°C	
CLTE - Flow	8.2E-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 60695.2.12
Injection	Nominal Value	Unit	
Drying Temperature	85.0 to 90.0	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	195 to 215	°C	
Middle Temperature	205 to 225	°C	
Front Temperature	215 to 235	°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.	1.3 mm/min		
4.	1.3 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

