

PROTEQ™ C23UST4Z

Polypropylene Copolymer

Marplex Australia Pty. Ltd.

Message:

PROTEQ™ C23UST4Z is a high crystallinity, high melt flow polypropylene copolymer containing mineral filler which has been highly impact modified, heat stabilised and UV stabilised. PROTEQ™ C23UST4Z has been designed to meet the stringent requirements of automotive exterior trim durability specifications, combining easy processing with low temperature toughness, rigidity, heat resistance, hardness and improved marr resistance.

General Information			
Filler / Reinforcement	Mineral		
Additive	Heat Stabilizer		
	Impact Modifier		
	UV Stabilizer		
Features	Copolymer		
	Good Stiffness		
	Good UV Resistance		
	Heat Stabilized		
	High Flow		
	Impact Modified		
	Low Temperature Toughness		
	Medium Heat Resistance		
	Medium Rigidity		
Uses	Automotive Applications		
	Automotive Exterior Trim		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	23	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	66		
Shore D, 15 sec	59		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.20 mm)	17.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 150	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	1700	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	280	J/m	
23°C, 3.20 mm	580	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	126	°C	
1.8 MPa, Unannealed, 3.20 mm	57.0	°C	
Vicat Softening Temperature	131	°C	ASTM D1525 ⁴
CLTE - Flow	5.2E-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
Injection	Nominal Value	Unit	
Drying Temperature	85.0 to 90.0	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	210 to 230	°C	
Middle Temperature	220 to 240	°C	
Front Temperature	230 to 250	°C	
Processing (Melt) Temp	230 to 260	°C	
Mold Temperature	40.0 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.	Loading 1 (10 N)		

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



WECHAT