

PROTEQ™ C28T2

Polypropylene Copolymer

Marplex Australia Pty. Ltd.

Message:

PROTEQ™ C28T2 is a high flow 10% Talc filled grade of polypropylene copolymer. It is intended for use in applications where a balance of flow and rigidity is required.

Note: The letter U in the product name indicates that UV stabiliser has been added (PROTEQ™ C28UT2)

General Information			
Filler / Reinforcement	Talc filler, 10% filler by weight		
Features	Rigid, good		
	Copolymer		
	Good liquidity		
	High liquidity		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.968	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	1.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 868
Shaw D	69		ISO 868
Shaw D, 15 seconds	64		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.20 mm)	27.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	100	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	1800	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	38.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	60	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.20mm	125	°C	ASTM D648
1.8 MPa, unannealed, 3.20mm	60.0	°C	ASTM D648
CLTE - Flow	1.0E-4	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (1.60 mm)	550	°C	AS/NZS 60695.2.12
Injection	Nominal Value	Unit	

Drying Temperature	85.0 - 90.0	°C
Drying Time	2.0 - 4.0	hr
Rear Temperature	195 - 215	°C
Middle Temperature	205 - 225	°C
Front Temperature	215 - 235	°C
Processing (Melt) Temp	220 - 270	°C
Mold Temperature	50.0 - 80.0	°C
Injection Pressure	60.0 - 140	MPa
Injection Rate	Moderate	
Back Pressure	0.100 - 0.500	MPa
Screw Speed	40 - 60	rpm
Clamp Tonnage	3.0 - 6.0	kN/cm ²

NOTE

- | | |
|----|------------|
| 1. | 5.0 mm/min |
| 2. | 5.0 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

