

# PROTEQ™ L24C4

Polypropylene Copolymer

Marplex Australia Pty. Ltd.

## Message:

PROTEQ™ L24C4 is a high flow, 20% calcium carbonate filled grade of polypropylene copolymer. It has improved impact strength, and is intended for use in products where a good balance of rigidity, flow and impact properties are required, together with excellent surface appearance

Note: The letter U in the product name indicates that UV stabiliser has been added (PROTEQ™ L24UC4)

General Information			
Filler / Reinforcement	Calcium Carbonate,20% Filler by Weight		
Features	Copolymer		
	Good Impact Resistance		
	Good Surface Finish		
	High Flow		
	High Impact Resistance		
	High Rigidity		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	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	65		
Shore D, 15 sec	56		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (3.20 mm)	17.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 3.20 mm)	180	%	ASTM D638
Flexural Modulus <sup>3</sup> (3.20 mm)	1300	MPa	ASTM D790
Flexural Strength <sup>4</sup> (3.20 mm)	28.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	100	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	97.0	°C	
1.8 MPa, Unannealed, 3.20 mm	55.0	°C	
CLTE - Flow	8.0E-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	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 <sup>2</sup>	
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



WECHAT