

MegaCarb® 510FR-U

Polycarbonate

Mega Polymers

Message:

Flame Retardant 94V-0 @ 1.8 mm, 94 5VA at 3.2 mm

10% Glass Reinforced, Injection Molding Grade Polycarbonate with UV stabilizer.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Additive	UV stabilizer		
	Flame retardancy		
Features	Good UV resistance		
	Flame retardancy		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow: 3.18mm	0.20 - 0.40	%	ASTM D955
Transverse flow: 3.18mm	0.20 - 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3790	MPa	ASTM D638
Tensile Strength (Yield)	66.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	110	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	2100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	152	°C	ASTM D648
1.8 MPa, not annealed	143	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm)	5VA		UL 94
Additional Information			

Product can be submitted to UL to obtain f1 rating and V-0 at 1.5 mm.

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

