

POLYFLAM® RMMB 40300

Polycarbonate + ABS

A. Schulman Europe

Message:

Flame retardant ABS/PC blend; halogen free according to DIN VDE 0472 part 815

General Information			
Features	Workability, good		
	Good liquidity		
	Halogen-free		
	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	60.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	63.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	12	kJ/m²	ISO 179/1eA
23°C	18	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	118	°C	ISO 75-2/Bf
1.8 MPa, not annealed	84.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	105	°C	ISO 306/A50
--	100	°C	ISO 306/B50
Ball Pressure Test (90°C)	Pass		IEC 60695-10-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	ohms·cm	IEC 60093
Comparative Tracking Index	575	V	IEC 60112

Flammability	Nominal Value	Unit	Test Method
Burning Rate			ISO 3795
1.50mm, automatic fire extinguishing	0.0	mm/min	ISO 3795
3.00mm, automatic fire extinguishing	0.0	mm/min	ISO 3795
Flame Rating			
1.50 mm	V-0		UL 94, IEC 60695-11-10, -20
	V-0		
3.00 mm	5V		UL 94
	V-0		
	5VA		
3.00 mm	5VB		IEC 60695-11-10, -20
Glow Wire Flammability Index			IEC 60695-2-12
1.50 mm	960	°C	IEC 60695-2-12
3.00 mm	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			IEC 60695-2-13
1.50 mm	775	°C	IEC 60695-2-13
3.00 mm	775	°C	IEC 60695-2-13
Oxygen Index	29	%	ISO 4589-2

Additional Information

1.)
Not for use in food contact applications2.)
Not for use in medical or pharmaceutical applications

Injection	Nominal Value	Unit
Drying Temperature	80.0 - 100	°C
Drying Time	2.0 - 4.0	hr
Rear Temperature	250	°C
Middle Temperature	270	°C
Front Temperature	270	°C
Nozzle Temperature	280	°C
Processing (Melt) Temp	250 - 280	°C
Mold Temperature	60.0 - 80.0	°C
Injection Pressure	80.0 - 150	MPa
Injection Rate	Slow-Moderate	
Holding Pressure	30.0 - 70.0	MPa
Back Pressure	5.00 - 10.0	MPa

Cushion	< 5.00	mm
Screw Speed		mm/sec

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

