

SCHULABLEND® M/MX 5301 U

Polycarbonate + PBT

A. Schulman Europe

Message:

PC-PBT blend with improved UV-resistance

General Information			
Processing Method	Extrusion		
	Injection molding		
Resin ID (ISO 1043)	PC+PBT		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	54.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	52.0	MPa	ISO 527-2/1A/50
Fracture	35.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.5	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	11	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	14	kJ/m ²	ISO 179/1eA
23°C	45	kJ/m ²	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	85.0	°C	ISO 75-2/Bf
1.8 MPa, not annealed	66.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	142	°C	ISO 306/A50
--	107	°C	ISO 306/B50
Additional Information			
1.)			
Not for use in food contact applications2.)			
Not for use in medical or pharmaceutical applications			
Injection	Nominal Value	Unit	

Drying Temperature	120	°C
Drying Time	3.0 - 4.0	hr
Suggested Max Moisture	0.020	%
Suggested Max Regrind	10	%
Processing (Melt) Temp	250 - 260	°C
Mold Temperature	70 - 100	°C

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

