

SCHULABLEND® M/MX 50

Polycarbonate + PBT

A. Schulman Europe

Message:

PC/PBT- blend

General Information			
Processing Method	Injection molding		
Resin ID (ISO 1043)	PC+PBT		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	43.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	113	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	54.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	3.8	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	40	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	43	kJ/m ²	ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/Af
Vicat Softening Temperature	102	°C	ISO 306/B50
Additional Information			

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

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