Technical Data Sheet

Schulablend M/MB 6304 UV LE BLK2-0982

Polycarbonate + ABS

Product Description

ABS/PC-blend with higher impact and heat resistance. Low emission grade specially for Automotive applications.Available with/without UV stabilization. (Former name: SCHULABLEND M/MB 5 LE)

Processing Method	Injection Molding
Attribute	High Heat Resistance; High Impact Resistance
Resin ID	ABS+PC

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (260 °C/5.0 kg)	14	cm³/10 min	ISO 1133
Density, (Method A)	1.13	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	52.0	MPa	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	4.0	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	2200	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	45	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	No Break		ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	90.0	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	125	°C	ISO 306
(A (10N), 50 °C/h)	138	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	125	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	105	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	40	mm/min	FMVSS 302
(2.00 mm)	40	mm/min	ISO 3795

Injection Parameters	Nominal Value	Units
Drying Time	4	hr
Drying Temperature	100 to 110	°C
Processing (Melt) Temp	260 to 280	°C
Mold Temperature	70 to 100	°C