Technical Data Sheet

Schulablend M/MK K2004 SF NAT

Acrylonitrile Butadiene Styrene + PA

Product Description

High flow ABS/PA Blend, high impact strength, UV stabilised, low emission

Processing Method	Injection Molding
Resin ID	PA+ABS

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (260 °C/5.0 kg)	10	cm³/10 min	ISO 1133
Density, (Method A)	1.08	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	40.0	MPa	ISO 527-2
Tensile Strain at Break, (Type 1A, 50 mm/min)	120	%	ISO 527-2
Flexural Modulus, (2.0 mm/min)	1700	MPa	ISO 178
Tensile Strain at Yield, (Type 1A, 50 mm/min)	3.4	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 50 mm/min)	40.0	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	1800	MPa	ISO 527-1
Flexural Stress			
(2.0 mm/min, 3.5%)	50.0	MPa	ISO 178
(2.0 mm/min, 6.0%)	50.0	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	80	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	30	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
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	129	°C	ISO 306
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	60.0	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	<60	mm/min	FMVSS 302
(2.00 mm)	<60	mm/min	ISO 3795