Technical Data Sheet

Schulablend M/MK UV HI GRY69250

Acrylonitrile Butadiene Styrene + PA

Product Description

ABS/PA6 blend with high impact strength and UV stabilised

Processing Method	Injection Molding
Attribute	High Impact Resistance
Additive	UV Stabilizer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate	7.5	cm³/10 min	ISO 1133
Density	1.1	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	41.0	MPa	ISO 527-2
Nominal Tensile Strain at Break, (50 mm/min, Type 1A)	100	%	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	4.0	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 50 mm/min)	39.0	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	1800	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	85	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	15	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))	140	°C	ISO 306
(A (10N))	210	°C	ISO 306

Injection Parameters	Nominal Value	Units
Suggested Max Moisture	0.040 to 0.10	%
Processing (Melt) Temp	230 to 270	°C
Mold Temperature	40 to 80	°C