

Technical Data Sheet

Ronfalin N25-SR ROYAL BUE3-1233

Acrylonitrile Butadiene Styrene + PA

Product Description

PA6/ABS alloy with very high impact strength with excellent flow to enable reproducibility of the mould tool surface.

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(240 °C/10.0 kg)	30	g/10 min	ISO 1133
(240 °C/5.0 kg)	10	g/10 min	ISO 1133
Density	1.07	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	42	MPa	ISO 527-2
Tensile Strain at Break	>50	%	ISO 527-2
Flexural Modulus	1700	MPa	ISO 178
Tensile Stress at Break	36	MPa	ISO 527-2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	60	kJ/m ²	ISO 179
(-20 °C)	15	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C)	No Break		ISO 179
Thermal			
Vicat Softening Temperature, (B (50N), 120 °C/h)	106	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	92	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	70	°C	ISO 75-2/A
Electrical			
Dielectric Strength	40	kV/mm	IEC 60243-1
Comparative Tracking Index (CTI), (Solution A)	>600	V	IEC 60112