

Technical Data Sheet

RW *Schulablend* M/MW NC800 NATURAL UV

Acrylonitrile Styrene Acrylate + PA

Product Description

Nanocomposite based on ASA/PA-blend for high dimensional stability

Processing Method Injection Molding

Attribute Good Dimensional Stability

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (250 °C/5.0 kg)	18	cm ³ /10 min	ISO 1133
Density, (Method A)	1.16	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	57.0	MPa	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	3.0	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	3400	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	9.0	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	5.0	kJ/m ²	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)	79.0	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	139	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	97.0	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	70.0	°C	ISO 75-2/A
Electrical			
Volume Resistivity	>1.0E+13	ohm*cm	IEC 60093
Surface Resistivity	>1.0E+15	ohm	IEC 60093
UL Information			
Flammability Classification, (1.5 mm)	HB		IEC 60695-11-10, -20