

Technical Data Sheet

RW *Schulamid* 66 GB30 NATURAL



Polyamide 66

Product Description

30% glass bead filled PA66

Processing Method Injection Molding

Filler/Reinforcement Glass Bead, 30%

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Density, (Method A)	1.35	g/cm <sup>3</sup>	ISO 1183
Viscosity Number	140	cm <sup>3</sup> /g	ISO 307
<b>Mechanical</b>			
Tensile Strain at Break			
(Type 1A, 5 mm/min)	7.5	%	ISO 527-2
(Type 1A, 5 mm/min) - Conditioned	11	%	ISO 527-2
Tensile Stress at Break			
(Type 1A, 5 mm/min)	95.0	MPa	ISO 527-2
(Type 1A, 5 mm/min) - Conditioned	65.0	MPa	ISO 527-2
Tensile Modulus			
(1 mm/min, Type 1A)	4500	MPa	ISO 527-1
(1 mm/min, Type 1A) - Conditioned	2500	MPa	ISO 527-1
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	4.0	kJ/m <sup>2</sup>	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	30	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Ball Indentation Hardness, (H 358/30)	185	MPa	ISO 2039-1
Ball Pressure Test, (125 °C)	Pass		IEC 60695-10-2
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	90.0	°C	ISO 75-2/A
<b>Electrical</b>			
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
- Conditioned	10000000000	ohm*m	IEC 62631-3-1
Comparative Tracking Index (CTI)	450	V	IEC 60112
Surface Resistivity	>1.0E+15	ohm	IEC 60093
<b>Flammable</b>			

Burning Rate			
(2.00 mm)	<100	mm/min	ISO 3795
(2.00 mm)	<100	mm/min	FMVSS 302
Glow Wire Flammability Index	650	°C	IEC 60695-2-12

<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
Drying Time	3.0 to 4.0	hr
Drying Temperature	80	°C
Suggested Max Moisture	0.040 to 0.10	%
Processing (Melt) Temp	280 to 300	°C
Mold Temperature	60 to 120	°C