

Ravamid[®] B GF35 NC

Polyamide 6
Industrial Quality Compound

Description:

Polyamide 6 natural containing recycled material, 35% glass fibre reinforced, good mechanical properties, also available heat stabilized (H) and UV stabilized (UV)

General

Density	ISO 1183	1.40	g/cm ³
Mold shrinkage (Parallel)		0.23	%
Mold shrinkage (Perpendicular)		0.62	%

Thermal

HDT/A (1,82MPa)	ISO 75A	210	°C
-----------------	---------	-----	----

Mechanical

Izod notched impact strength (23°C)	ISO 180	10	kJ/m ²
Charpy notched impact strength (23 °C)	ISO 179	10	kJ/m ²
Charpy unnotched impact strength (23 °C)	ISO 179	50	kJ/m ²
Tensile stress at break	ISO 527	152	MPa
Elongation at break	ISO 527	3.2	%
Tensile modulus	ISO 527	9500	MPa
Flex modulus	ISO 178	8400	MPa

Flammability

Flammability (1,6mm)	UL94 (tested internally)	HB	
Flammability (3,2mm)	UL94 (tested internally)	HB	
Burning rate (FMVSS 302)	ISO 3795	<100	mm/min
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	650	°C

Various

Humidity	ISO 960	≤0.15	%
----------	---------	-------	---