

**Material Specification
Sheet**e: sales@rhnutall.co.uk
t: 0121 359 2484
f: 0121 359 4439**RHN 53A**www.rhnutall.co.uk**Rigid PVC****General Information**

High Rigidity	Low Moisture Absorption
Very High Density	Excellent Chemical Resistance
Good Weather Resistance	High Corrosion Resistance
Good Flame Resistance	Electrical Insulation
High Strength & Toughness	Excellent Thermal & Insulating Properties

Colours

Clear; Grey; White; Black; Red

Mechanical Properties	Parameter	Value	Unit	Norm
Tensile strength at yield		45	Mpa	DIN EN ISO 527
Elongation at break		15	%	DIN EN ISO 527
Modules of elasticity (tensile test)		3000	Mpa	DIN EN ISO 527
Notched impact strength (Charpy)		2	kJ/m ²	DIN EN ISO 527
Ball indentation hardness		140	Mpa	DIN EN ISO 2039-1
Thermal Properties				
Service temperature	Short term	70	°C	Average
Service temperature	Long term	60	°C	Average
Thermal conductivity		0.20	W/(K*m)	DIN 52612-1
Coefficient of linear thermal expansion		8	10 ⁻⁵ K ⁻¹	DIN 53752
Electrical Properties				
Surface resistance		10 ¹³	Ω	IEC 60093
Specific volume resistance		10 ¹⁵	Ω*cm	IEC 60093
Dielectric constant		3		IEC 60250
Dielectric strength		39	kV/mm	IEC 60243-1
Other Properties				
Flammability		V0		UL94

The information given above is based upon average values and is no way intended as a warranty. The purchaser is deemed responsible for determining the suitability of the product for any application. All data relating to suitable uses and description information concerning our products are compiled from research and are believed to be reliable but are provided for guidance purposes only. The Company holds no legal or contractual responsibility for information supplied

