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Flexible PVC – For Wire and Cable**Datasheet**

Flexible PVC for wire and cable (insulation/jacketing) applications. Complies to British Standard B.S 6746:1900. Color can be compounded to specification.

Properties	Unit	WH-45G	WH-60G	WI-40G	WI-45G	WS-50G	WS-60G	WT-30G	WM-40G
Feature		Heat Resistance		General					
British Std Type	-	5	4	TI-1	TM-1, TI-2	TM-2	6	2	9
Max. Operating Temp.	°C	85	85	70	70	70	70	70	90
Shore Hardness	A	89-91	84-85	89-91	86-88	83-85	78-80	92-94	89-91
Tensile Strength	Kg/cm ²	180	160	180	170	160	150	200	180
Elongation at Break	%	260	240	260	280	290	300	250	260
Properties After Aging	-	10D, 135°C	7D, 135°C	7D, 80°C					7D, 100°C
Tensile Strength	Kg/cm ²	170	150	160	150	140	-	-	165
Elongation at Break	%	200	190	200	220	230	-	-	200
Loss of Mass at 115°C	mg/cm ²	1.50	1.75	1.2	1.25	1.3	1.35	1.1	1.2
Heat Deformation at 120°C	%	25	35	-	-	-	55	25	30
Insulation Resistance at 20°C	Ω-cm	10x10 ¹⁴	5x10 ¹⁴	5x10 ¹⁴	2x10 ¹⁴	6x10 ¹³	6x10 ¹³	1x10 ¹⁴	5x10 ¹⁴
Resistance to Cracking at 150°C	-	No crack	No crack	No crack	No crack	No crack	No crack	No crack	No crack
Low Temperature Bend Test at -15°C	-	No crack	No crack	No crack	No crack	No crack	No crack	No crack	No crack

Typical values only. Variations within normal tolerances are possible for various colors. Only typical data for selection purposes. Not to be used for part or tool design. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design.