

Typical performance of flexible standard PVC Grades



| Grades | | | Standard Grades | | | | Matt Grades | | | Textured Grades | Light stable | Food Contact & Medical Grades | | | Glass Clear | High & Low Temperature Grades | | | Flame Retardant | | Oil Resistance | Chemical Resistance |
|---------------------|---------------|------------|---|-------|-------|-------|--|------|------|-----------------|----------------------------------|--|------|-------|-------------|--|-------|------|--|-------|-------------------|---------------------|
| Property | Test Method | Units | DM50 | DM60 | DM70 | DH85 | SM50 | MP50 | MP70 | TF50 | LS70 | FC80 | MG40 | MG75 | GC40 | HT50 | HT80 | LT50 | FR50 | FR60 | OR50 | CRP100 |
| Density | BS2782 620A | g/cc | 1.13 | 1.15 | 1.17 | 1.20 | 1.14 | 1.16 | 1.17 | 1.13 | 1.17 | 1.20 | 1.21 | 1.19 | 1.13 | 1.15 | 1.18 | 1.16 | 1.23 | 1.25 | 1.23 | 1.15 |
| Tensile Strength | BS2782 301E | Mpa | 9.00 | 10.50 | 12.00 | 15.00 | 12.00 | 6.50 | 9.00 | 4.00 | 12.00 | 15.00 | 8.00 | 13.00 | 9.00 | 11.00 | 15.00 | 8.50 | 9.50 | 10.50 | 7.50 | 10.5 |
| Elongation at Break | BS2782 301E | % | 400 | 400 | 375 | 250 | 300 | 300 | 200 | 250 | 250 | 300 | 375 | 350 | 400 | 400 | 350 | 350 | 400 | 400 | 425 | 300 |
| Coldflex Temp. | BS2782 104B | °C | -43 | -38 | -30 | -33 | -40 | -38 | -25 | -40 | -40 | -31 | -44 | -31 | --- | -52 | -37 | -48 | -24 | -17 | -31 | -40 |
| Max. Working Temp. | | °C Cont. | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | --- | --- | 60 | 90 | 90 | 60 | 80 | 80 | 60 | 60 |
| | | °C Int. | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | --- | --- | 80 | 140 | 140 | 80 | 100 | 100 | 80 | 80 |
| Shore A Hardness | BS903 Part A7 | | 50 | 60 | 70 | 85 | 50 | 50 | 70 | 45 | 70 | 80 | 40 | 75 | 50 | 55 | 85 | 50 | 50 | 60 | 40 | 60 |
| Volume Resistivity | | 109 ohm.cm | 0.94 | 1.10 | 0.60 | 0.20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1.50 | --- | --- | --- | --- | --- | --- |
| Breakdown Voltage | BS2782 221A | KV | 11.0 | 11.0 | 10.8 | 6.5 | --- | --- | --- | --- | 10.8 | --- | --- | --- | --- | 13.5 | --- | --- | --- | --- | --- | --- |
| Electric Strength | BS2782 221A | KV mm | 4.2 | 44.4 | 4.1 | 2.5 | --- | --- | --- | --- | 4.1 | --- | --- | --- | --- | 5.2 | --- | --- | --- | --- | --- | --- |
| Oxygen Index | | % oxygen | 20.9 | 21.9 | 22.0 | 23.0 | --- | --- | --- | --- | 22.0 | --- | --- | --- | 21.0 | --- | --- | --- | 28.0 | 28.0 | 20.4 | 22.0 |
| Typical Uses | | | Grips, Covers, Sleeves, Gaiters, Bellows, Cables Shrouds, Dowel Bar Sleeves | | | | Automotive Interior Covers,/Gaiters, Grips, Furniture, Bellows | | | Grips, Sleeves | Exterior apps. Eg Yacht Fittings | Container Lids, Medical Covers, Tubes, Valves connectors | | | Various | Busbar Covers, Automotive Applications | | | Cable Shrouds, Dustcovers & Bellows for Electrical Apps. | | Automotive Covers | Protective Covers |



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