



| TYPICAL PROPERTIES | TEST STANDARD | UNITS S.I. | 3135 | 3140 | 3150 | 3160 | 3170 | 3180 | 3190 | 3139D | 3145D |
|--------------------------------------|---------------|-------------------|------|------|------|------|------|------|------|-------|-------|
| DENSITY | ISO 1183 | kg/m ³ | 930 | 930 | 950 | 950 | 950 | 950 | 940 | 940 | 940 |
| HARDNESS (5 SEC DELAY) | | Shore | | | | | | | | | |
| Extruded sample | ISO 868 | A | 38A | 41A | 54A | 62A | 71A | 80A | 89A | 38D | 47D |
| Injection molded sample | | or D | 43A | 46A | 56A | 65A | 75A | 84A | 92A | 41D | 50D |
| TENSILE PROPERTIES | | | | | | | | | | | |
| Flow direction | | | | | | | | | | | |
| Tensile strength at break | ISO 37 | MPa | 2.2 | 2.5 | 4.1 | 5.4 | 6.7 | 8.5 | 12.1 | 17.4 | 19.4 |
| Modulus at 100% elongation | | MPa | 2.1 | 2.5 | 3.0 | 3.8 | 5.1 | 6.7 | 10.0 | 13.3 | 15.5 |
| Elongation at break | | % | 200 | 210 | 240 | 270 | 300 | 330 | 380 | 400 | 400 |
| Cross flow direction | | | | | | | | | | | |
| Tensile strength at break | ISO 37 | MPa | 4.0 | 4.4 | 5.1 | 6.3 | 7.7 | 9.4 | 13.5 | 18.5 | 22.5 |
| Modulus at 100% elongation | | MPa | 1.1 | 1.2 | 1.9 | 2.5 | 3.3 | 4.5 | 6.6 | 8.9 | 12.8 |
| Elongation at break | | % | 600 | 600 | 600 | 640 | 670 | 690 | 700 | 700 | 700 |
| TEAR STRENGTH | | | | | | | | | | | |
| Cross flow direction | ISO 34B | | | | | | | | | | |
| Unnicked angle | | kN/m | 15 | 16 | 24 | 32 | 42 | 51 | 81 | 100 | 130 |
| COMPRESSION SET | | | | | | | | | | | |
| 22 hrs @ 23°C | ISO 815 | % | 15 | 18 | 20 | 23 | 25 | 32 | 48 | 53 | 57 |
| 22 hrs @ 70°C | | % | 30 | 31 | 32 | 34 | 43 | 50 | 61 | 67 | 70 |
| 70 hrs @ 125°C | | % | 52 | 52 | 52 | 55 | 63 | 65 | 75 | 85 | 90 |
| HOT AIR AGING | | | | | | | | | | | |
| Cross flow direction | | | | | | | | | | | |
| 168 hrs @ 150°C | | | | | | | | | | | |
| Change in hardness | ISO 188 | pts | 1 | 1 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |
| Change in tensile strength at break | | % | 4 | 11 | 7 | -1 | -4 | -8 | -5 | -7 | -5 |
| Change in modulus at 100% elongation | | % | 11 | 6 | 5 | 7 | 5 | 9 | 11 | 11 | 8 |
| Change in elongation at break | | % | 1 | 7 | 8 | -11 | -14 | -16 | -12 | -11 | -11 |
| 1000 hrs @ 135°C | | | | | | | | | | | |
| Change in hardness | | pts | -1 | -1 | 1 | 2 | -1 | 0 | -1 | 0 | 1 |
| Change in tensile strength at break | ISO 188 | % | 0 | 12 | -6 | -4 | -8 | -9 | -10 | -5 | 2 |
| Change in modulus at 100% elongation | | % | 4 | 5 | 7 | 3 | 10 | 17 | 9 | 9 | 16 |
| Change in elongation at break | | % | -2 | 12 | -7 | -5 | -13 | -15 | -15 | -10 | -11 |
| VOLUME SWELL | | | | | | | | | | | |
| 70 hrs @ 125°C in IRM 903 oil | ISO 1817 | % | 150 | 140 | 130 | 120 | 120 | 95 | 73 | 55 | 52 |
| APPARENT SHEAR VISCOSITY | ISO 11443 | | | | | | | | | | |
| @ 206 1/s, 200°C | Capillary | Pa.s | 270 | 270 | 270 | 310 | 290 | 290 | 310 | 310 | 310 |

FEATURES

- Well-balanced flow characteristics for a superior surface appearance
- Available from 35 Shore A to 45 Shore D, in black and natural
- Excellent melt elasticity
- Partially cross-linked
- Versatile, can be processed by injection or blow molding and extrusion

TRANSPORTATION SEGMENTS

- Sealing Systems
- Exterior
- Interior
- Under the Hood

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