



AWP – ROHSTOFFE

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TPEE Kopel®

| Properties | Method | Units | Airbag Cover | Blow Molding | |
|--|-------------------|----------------------|---------------------|--------------------|--------------------|
| | | | KP 3855FB | KP 3942BM | KP 3956BM |
| Hardness | ISO 868 | Shore D | 55 | 42 | 56 |
| Specific gravity | ISO 1183 | - | 1,18 | 1,15 | 1,17 |
| Mold shrinkage | ASTM D 955 | % | 1,86~1,95 | 1,21~1,29 | - |
| Stress at Break | ISO 527 | MPa | 32,7 | 21,6 | 22,0 |
| Strain at Break | ISO 527 | % | 1280 | 600 | 1000 |
| Tensile Modulus | ISO 527 | MPa | 202 | 44 | 80 |
| Tensile Stress @5% Strain @10% Strain @50% Strain | ISO 527 | MPa | 8,6 11,6 15,1 | 2,5 4,5 10,4 | 4,5 7,6 13,5 |
| Flexural Modulus 23° C (73°F) 100°C (212°F) | ISO 178 | MPa | 484 - | 104 60 | 225 120 |
| Charpy impact Strength -40°C 23°C 80°C | ISO 179 | kJ/m ² | NB NB NB | NB NB NB | - NB NB |
| Charpy notched impact Strength -40°C 23°C 80°C | ISO 179 | kJ/m ² | 128,2 88,2 NB | NB NB NB | - 90,5 NB |
| Tear Strength | ISO 34-1 | kN/m | 139 | 114 | - |
| Melting Point Onset Peak | ISO 11357-1/-3 | °C | 214 223 | 173 200 | - - |
| Glass transition Temperature | DMA | °C | - | -45 | - |
| Heat deflection Temperature 0,45 MPa 1,82 MPa | ISO 75 | °C | 48 36 | 50 N.A | - - |
| Vicat softening Temperature 10N | ISO 306 | °C | 162 | 154 | - |
| Water absorption, 24 hours @24 hours, Immersion @50% relative humidity | ISO 62 | % | 0,3 0,18 | 0,42 0,09 | 0,46 0,20 |
| Melt Mass-Flow Rate Temperature Load | ISO 1133 | g/10 min °C kg | 14 240 2,16 | 4 230 5,00 | 3 230 2,16 |
| Flammability | UL 94 | | HB | HB | HB |

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