

## Multibase Multi-Flex® TPE A 8502 BLK

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

### Material Notes:

The fogging test value is 90% according to ASTM SAE-J275. Multi-Flex TPE contains Kraton™ G.Data provided by Multibase.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Multibase-Multi-Flex-TPE-A-8502-BLK.php](http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-TPE-A-8502-BLK.php)

| Physical Properties               | Metric             | English                | Comments                  |
|-----------------------------------|--------------------|------------------------|---------------------------|
| Density                           | 0.970 - 1.03 g/cc  | 0.0350 - 0.0372 lb/in³ | ASTM D792                 |
| Linear Mold Shrinkage             | 0.013 cm/cm        | 0.013 in/in            | ASTM D955                 |
| Linear Mold Shrinkage, Transverse | 0.013 cm/cm        | 0.013 in/in            | ASTM D955                 |
| Melt Flow                         | 3.5 - 8.5 g/10 min | 3.5 - 8.5 g/10 min     | (Condition L) ASTM D-1238 |

| Mechanical Properties      | Metric               | English             | Comments                       |
|----------------------------|----------------------|---------------------|--------------------------------|
| Hardness, Shore A          | 85                   | 85                  | 10 sec; ASTM D-2240            |
| Tensile Strength, Ultimate | 9.00 - 13.0 MPa      | 1310 - 1890 psi     | ASTM D412                      |
| Elongation at Break        | 600 - 800 %          | 600 - 800 %         | ASTM D412                      |
| Flexural Modulus           | 0.0350 - 0.0550 GPa  | 5.08 - 7.98 ksi     | method 1, Proc.B; ASTM D-790   |
| Tear Strength              | 39.0 - 49.0 kN/m     | 223 - 280 pli       | ASTM D624                      |
| Compression Set            | 25 %                 | 25 %                | for 70 hours at 23°C; ASTM 395 |
|                            | 55 %                 | 55 %                | for 70 hours at 70°C; ASTM 395 |
|                            | @Temperature 70.0 °C | @Temperature 158 °F |                                |
|                            | 76 %                 | 76 %                | 70 hours at 100°C; ASTM 395    |
|                            | @Temperature 100 °C  | @Temperature 212 °F |                                |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
| Melting Point      | 140 °C | 284 °F  |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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