

## Multibase Multi-Flex<sup>®</sup> TPE A 5904 LC BLK

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

### Material Notes:

Multi-Flex<sup>®</sup> LC compounds are a new generation elastomers exhibiting improved compression set at elevated temperature. Multi-Flex<sup>®</sup> TPE compounds are based on Shell's Kraton G technology and feature excellent heat and ozone resistance. LC products cover a wide temperature span from -40<sup>°</sup>F to 300<sup>°</sup>F. Multi-Flex TPE contains Kraton<sup>®</sup>, G. Data provided by Multibase.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Multibase-Multi-Flex-TPE-A-5904-LC-BLK.php](http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-TPE-A-5904-LC-BLK.php)

| Physical Properties | Metric   | English  | Comments    |
|---------------------|--|--|-------------|
| Density             | 1.07 g/cc  | 0.0387 lb/in <sup>3</sup>  | ASTM D792   |
| Melt Flow           | 4.0 g/10 min<br>@Load 5.00 kg,<br>Temperature 230 <sup>°</sup> C | 4.0 g/10 min<br>@Load 11.0 lb,<br>Temperature 446 <sup>°</sup> F | ASTM D-1238 |

| Mechanical Properties      | Metric                                      | English                                 | Comments                                    |
|----------------------------|---|---|---|
| Hardness, Shore A          | 59  | 59                                      | 10 sec; ASTM D-2240                         |
| Tensile Strength, Ultimate | 5.80 MPa                                    | 841 psi                                 | ASTM D638                                   |
| Elongation at Break        | 950 %                                       | 950 %                                   | ASTM D638                                   |
| 100% Modulus               | 0.00230 GPa                                 | 0.334 ksi                               | ASTM D638                                   |
| 300% Modulus               | 0.00469 GPa                                 | 0.680 ksi                               | ASTM D638                                   |
| Tear Strength              | 26.3 kN/m                                   | 150 pli                                 | ASTM D624                                   |
| Compression Set            | 17 %  | 17 %                                    | for 70 hours at 23 <sup>°</sup> C; ASTM 395 |
|                            | 29 %<br>@Temperature 70.0<br><sup>°</sup> C | 29 %<br>@Temperature 158 <sup>°</sup> F | for 70 hours at 70 <sup>°</sup> C; ASTM 395 |
|                            | 45 %<br>@Temperature 100 <sup>°</sup> C     | 45 %<br>@Temperature 212 <sup>°</sup> F | 70 hours at 100 <sup>°</sup> C; ASTM 395    |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China