

Multibase Multi-Flex[®] TPE A 5801 LC BLK

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

Material Notes:

Multi-Flex[®] LC compounds are a new generation elastomers exhibiting improved compression set at elevated temperature. Multi-Flex[®] 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[°]F to 300[°]F. 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-5801-LC-BLK.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ASTM D792
Melt Flow	1.0 g/10 min @Load 5.00 kg, Temperature 230 [°] C	1.0 g/10 min @Load 11.0 lb, Temperature 446 [°] F	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	58	58	10 sec; ASTM D-2240
Tensile Strength, Ultimate	6.60 MPa	957 psi	ASTM D638
Elongation at Break	900 %	900 %	ASTM D638
100% Modulus	0.00280 GPa	0.406 ksi	ASTM D638
300% Modulus	0.00413 GPa	0.599 ksi	ASTM D638
Tear Strength	23.8 kN/m	136 pli	ASTM D624
Compression Set	12 %	12 %	for 70 hours at 23 [°] C; ASTM 395
	34 % @Temperature 70.0 [°] C	34 % @Temperature 158 [°] F	for 70 hours at 70 [°] C; ASTM 395
	42 % @Temperature 100 [°] C	42 % @Temperature 212 [°] F	70 hours at 100 [°] C; ASTM 395

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