

Multibase Multi-Flex® TPE A 6821 BLK

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

Material Notes:

This product is based on Kraton G and PP suitable for automotive applications and meets GM, Ford, and Chrysler specifications. 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-6821-BLK.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in³	ASTM D792
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	ASTM D955
Melt Flow	10 g/10 min @Load 5.00 kg, Temperature 230 °C	10 g/10 min @Load 11.0 lb, Temperature 446 °F	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	68	68	10 sec; ASTM D-2240
Tensile Strength, Ultimate	>= 5.50 MPa	>= 798 psi	ASTM D638
Elongation at Break	>= 1000 %	>= 1000 %	ASTM D638
Flexural Modulus	0.0345 GPa	5.00 ksi	method 1, Proc.B; ASTM D-790
Tear Strength	24.5 kN/m	140 pli	ASTM D624
Compression Set	17 %	17 %	for 70 hours at 23°C; ASTM 395
	45 % @Temperature 70.0 °C	45 % @Temperature 158 °F	for 70 hours at 70°C; ASTM 395
	65 % @Temperature 100 °C	65 % @Temperature 212 °F	70 hours at 100°C; ASTM 395

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