

## Multibase Multi-Flex<sup>®</sup> A 3810 TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer , TPE

**Material Notes:**

Features:Heat Resistance, GoodThermal Stability, GoodForms:PelletsProcessing Method:Injection Molding Information provided by Multibase

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Multibase-Multi-Flex-A-3810-TPE-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-A-3810-TPE-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM 792
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 230 °C	7.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	10 seconds; ASTM D2240
Tensile Strength, Yield	1.17 MPa	170 psi	at 100% secant; ASTM D412
	5.00 MPa	725 psi	Elastic; ASTM D638
Elongation at Break	700 %	700 %	ASTM D638
Tear Strength	21.0 kN/m	120 pli	ASTM D624
Compression Set	15 %	15 %	73°F, 70 hours; ASTM D395
	74 %	74 %	158°F, 70 hours; ASTM D395

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