

## Multibase Multi-Flex<sup>®</sup> A 6041 Clear TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer , TPE

**Material Notes:**

This material bonds to polypropylene. Forms: Pellets Processing Method: Injection Molding Information provided by Multibase

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Multibase-Multi-Flex-A-6041-Clear-TPE-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-A-6041-Clear-TPE-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.892 g/cc	0.892 g/cc	ASTM 792
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	ASTM D955
Melt Flow	91 g/10 min @Load 2.16 kg, Temperature 230 °C	91 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	59	59	10 seconds; ASTM D2240
Tensile Strength at Break	7.45 MPa	1080 psi	ASTM D412
Elongation at Break	730 %	730 %	ASTM D638
Tear Strength	43.8 kN/m	250 pli	ASTM D624

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	210 °C	410 °F	
Front Barrel Temperature	227 °C	440 °F	
Nozzle Temperature	235 °C	455 °F	
Mold Temperature	51.7 °C	125 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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