

## Multibase Multi-Flex<sup>®</sup> TEA 4001-35 Natural TPO Thermoplastic Polyolefin Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

**Material Notes:**

Forms: Pellets Processing Methods: Injection Molding Information provided by Multibase

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Multibase-Multi-Flex-TEA-4001-35-Natural-TPO-Thermoplastic-Polyolefin-Elastomer.php](http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-TEA-4001-35-Natural-TPO-Thermoplastic-Polyolefin-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.942 g/cc	0.942 g/cc	ASTM 792
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	ASTM D955
Melt Flow	75 g/10 min @Load 2.16 kg, Temperature 230 °C	75 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	10 seconds; ASTM D2240
	45	45	ASTM D2240
Tensile Strength, Yield	6.41 MPa	930 psi	Elastic; ASTM D412
Elongation at Break	920 %	920 %	Elastic; ASTM D412
Tear Strength	26.3 kN/m	150 pli	ASTM D624

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	193 °C	380 °F	
Front Barrel Temperature	204 °C	400 °F	
Nozzle Temperature	210 °C	410 °F	
Mold Temperature	35.0 °C	95.0 °F	

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