

## Multibase Multi-Flex® A 6202 MR TPE Thermoplastic Elastomer

Categories: [Polymer](#); [Thermoplastic](#); [Elastomer](#); [TPE](#)

### Material Notes: Features:

- Chemical Resistance, Good
- Colorability, Good
- Elasticity, High
- Electrically Insulating
- Flame Retardant
- Flexibility, Good
- Heat Stabilized
- Ozone Resistant
- Processability, Good
- UV Resistance, Good
- Scratch Resistant

### Forms:

- Pellets

### Processing Method:

- Extrusion

Information provided by Multibase

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ASTM 792
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	ASTM D955
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	67	67	10 seconds; ASTM D2240
Tensile Strength, Yield	2.14 MPa	310 psi	at 100%; ASTM D412
	5.86 MPa	850 psi	Elastic; ASTM D412
Elongation at Break	700 %	700 %	Elastic; ASTM D412
Tear Strength	31.6 kN/m	180 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Flame Spread	7.6 mm/min	0.30 in/min	VSS-302

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	
Drying Temperature	51.7 °C	125 °F	
Dry Time	2 - 4 hour	2 - 4 hour	
Injection Pressure	3.45 - 4.83 MPa	500 - 700 psi	
Back Pressure	0.345 MPa	50.0 psi	
Screw Speed	40 rpm	40 rpm	

### Descriptive Properties

Clamp Tonnage	1.5-2.5 tons/in <sup>2</sup>
Injection Rate	Fast
Suggested Max Regrind	0.5

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.