

## Multibase Multi-Flex<sup>®</sup> A 8030 TPE Thermoplastic Elastomer

Category : 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 Forms: Pellets Processing Method: Injection Molding Uses: Automotive Interior Parts Information provided by Multibase

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Multibase-Multi-Flex-A-8030-TPE-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-A-8030-TPE-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.89 g/cc	1.89 g/cc	ASTM 792
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	ASTM D955
Melt Flow	14 g/10 min @Load 2.16 kg, Temperature 230 °C	14 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238
Ash	65.6 %	65.6 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	10 seconds; ASTM D2240
Hardness, Shore D	22	22	10 seconds; ASTM D2240
Tensile Strength, Yield	3.45 MPa	500 psi	Elastic; ASTM D412
Elongation at Break	480 %	480 %	Elastic; ASTM D412
Flexural Modulus	0.0758 GPa	11.0 ksi	1% Secant; ASTM D790
Tear Strength	22.8 kN/m	130 pli	ASTM D624

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 Processing Properties	3.45 - 4.83 MPa Metric	500 - 700 psi English	Comments
Back Pressure	0.345 MPa	50.0 psi	
Screw Speed	40 rpm	40 rpm	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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