

## Multibase Multi-Flex<sup>®</sup> A 7025 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 Processability, Good 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-7025-TPE-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-A-7025-TPE-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM 792
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	76	76	10 seconds; ASTM D2240
Tensile Strength, Yield	6.21 MPa	900 psi	Elastic; ASTM D412
Elongation at Break	600 %	600 %	Elastic; ASTM D412
Flexural Modulus	0.0414 GPa	6.00 ksi	ASTM D790
Tear Strength	36.8 kN/m	210 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	3.45 - 4.83 MPa	500 - 700 psi	
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.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China