

## Multibase Multi-Flex<sup>®</sup> A 0740 TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer , TPE

### Material Notes:

Features: Chemical Resistance, Good Colorability, Good Elasticity, High Electrically Insulating Flame Retardant Flexibility, Good Hardness, Low Heat Stabilized Ozone Resistant Processability, Good Soft UV Resistance, 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-0740-TPE-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-A-0740-TPE-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.890 g/cc	0.890 g/cc	ASTM 792
Water Absorption	0.040 %	0.040 %	ASTM D570
Melt Flow	30 g/10 min	30 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	
	52.6 g/10 min	52.6 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 230 °C	@Load 11.0 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	3.0	3.0	ASTM D2240
	6.5	6.5	10 seconds; ASTM D2240
Tensile Strength, Ultimate	2.21 MPa	321 psi	ASTM D638
Tensile Strength, Yield	0.207 MPa	30.0 psi	at 100%; ASTM D412
	1.72 MPa	250 psi	Elastic; ASTM D412
Elongation at Break	750 %	750 %	Elastic; ASTM D412
	830 %	830 %	ASTM D638
Tear Strength	8.94 kN/m	51.0 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 Processing Properties	51.7 Å°C Metric	125 Å°F English	Comments
Drying Temperature	51.7 Å°C	125 Å°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.

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