

## Radici Heraflex® E 7722 TPC-ET Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer , TPE

### Material Notes:

TPC-ET Thermoplastic Elastomer. High Modulus, Nominal Shore D/15s 69. Natural color  
Processing technology: Injection molding  
Information provided by Radici group.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Radici-Heraflex-E-7722-TPC-ET-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Radici-Heraflex-E-7722-TPC-ET-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	
Water Absorption	0.10 % @Time 86400 sec	0.10 % @Time 24.0 hour	MI / 08
Melt Flow	19 g/10 min @Load 2.16 kg, Temperature 230 °C	19 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	77	77	Instantaneous; ISO 868
	69 @Time 15.0 sec	69 @Time 0.00417 hour	ISO 868
Tensile Strength at Break	50.0 MPa	7250 psi	ISO 527-1/2
Elongation at Break	500 %	500 %	ISO 527 1/2
Flexural Modulus	0.828 GPa	120 ksi	ISO 178/1A
Izod Impact, Notched	3.00 J/cm	5.62 ft-lb/in	ASTM D256
Tear Strength	249 kN/m	1420 pli	ASTM D1004
Abrasion	39	39	mm <sup>3</sup> ; DIN 53516

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	
Vicat Softening Point	211 °C @Load 5.10 kg	412 °F @Load 11.2 lb	50°C/h
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	

## Contact Songhan Plastic Technology Co.,Ltd.

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