

## Radici Heraflex® E 6521 TPC-ET Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer , TPE

### Material Notes:

TPC-ET Thermoplastic Elastomer. Medium-high Modulus, Nominal Shore D/15s 57. 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-6521-TPC-ET-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Radici-Heraflex-E-6521-TPC-ET-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	
Water Absorption	0.20 %	0.20 %	MI / 08
	@Time 86400 sec	@Time 24.0 hour	
Melt Flow	23 g/10 min	23 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	Instantaneous; ISO 868
	57	57	
	@Time 15.0 sec	@Time 0.00417 hour	ISO 868
Tensile Strength at Break	49.0 MPa	7110 psi	ISO 527-1/2
Elongation at Break	634 %	634 %	ISO 527 1/2
Flexural Modulus	0.342 GPa	49.6 ksi	ISO 178/1A
Izod Impact, Notched	NB	NB	ASTM D256
Tear Strength	241 kN/m	1380 pli	ASTM D1004
Abrasion	20	20	mm <sup>3</sup> ; DIN 53516

Thermal Properties	Metric	English	Comments
Melting Point	210 °C	410 °F	
Vicat Softening Point	195 °C	383 °F	50°C/h
	@Load 5.10 kg	@Load 11.2 lb	
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@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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