Radici Heraflex® E 5620 TPC-ET Thermoplastic Elastomer (Unverified Data**)

Categories: Polymer; Thermoplastic; Elastomer, TPE

Material Notes: TPC-ET Thermoplastic Elastomer. Medium Modulus, Nominal Shore D/15s 50. Natural color

Processing technology: Injection molding

Information provided by Radici group.

Vendors: No vendors are listed for this material. Please click here if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	
Water Absorption	0.29 % @Time 86400 sec	0.29 % @Time 24.0 hour	MI / 08
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	56	56	Instantaneous; ISO 868
	50 @Time 15.0 sec	50 @Time 0.00417 hour	ISO 868
Tensile Strength at Break	43.0 MPa	6240 psi	ISO 527-1/2
Elongation at Break	688 %	688 %	ISO 527 1/2
Flexural Modulus	0.221 GPa	32.1 ksi	ISO 178/1A
Izod Impact, Notched	NB	NB	ASTM D256
Tear Strength	174 kN/m	993 pli	ASTM D1004
Abrasion	15	15	mm^3; DIN 53516

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

Thermal Properties	Metric	English	Comments
Melting Point	199 °C	390 °F	
Vicat Softening Point	177 °C @Load 5.10 kg	351 °F @Load 11.2 lb	50°C/h
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

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