

**Quadrant EPP Tivar® Premium UHMW-PE Tivar Premium UHMW-PE**

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), UHMW PE Ultra High Molecular Weight

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Quadrant-EPP-Tivar-Premium-UHMW-PE-Tivar-Premium-UHMW-PE.php](http://www.lookpolymers.com/polymer_Quadrant-EPP-Tivar-Premium-UHMW-PE-Tivar-Premium-UHMW-PE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.930 g/cc	0.930 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength	4200 MPa	609000 psi	ASTM D638
Elongation at Break	158 %	158 %	ASTM D638
Tensile Modulus	0.896 GPa	130 ksi	ASTM D638
Flexural Strength	22.1 MPa	3200 psi	ASTM D790
Flexural Modulus	0.745 GPa	108 ksi	ASTM D790
Compressive Strength	20.7 MPa @Strain 10.0 %, Temperature 22.8 °C	3000 psi @Strain 10.0 %, Temperature 73.0 °F	ASTM D695
Compressive Modulus	0.552 GPa	80.0 ksi	ASTM D695
Coefficient of Friction, Dynamic	0.15	0.15	DRY VS STEEL; QTM 55007
Sand Slurry	9.0	9.0	1018 STEEL = 100; ASTM D4020

Thermal Properties	Metric	English	Comments
Melting Point	135 °C	275 °F	CRYSTALLINE; ASTM D3418

**Contact Songhan Plastic Technology Co.,Ltd.**

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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