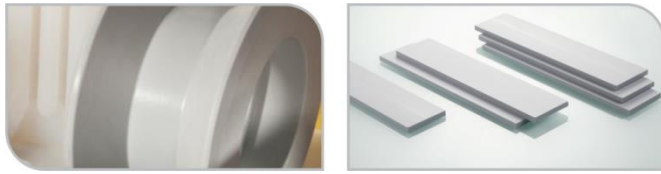


Engineering Plastics


TYNALYTE – ZX PETP
GENERAL

Density	1.27 g/cm ³	ISO 1183	DIN 53479
Water absorption in air 50% r.h.	0.2 %	ISO 62	DIN 53715
Absorption 23-C in water-saturation	0.5 %	ISO 62	DIN 53495
Colour		Grey	
Food Compliance – Yes		FDA / BfR	

MECHANICAL PROPERTIES

Tensile stress at yield at break	53 N/mm ²	ISO 527	DIN53455
Elongation at break	200 %	ISO 527	DIN53455
Tensile Modulus of elasticity	2200 N/mm ²	ISO 527	DIN53455
Impact strength Charpy 7.5 J	no break	ISO R179	DIN53453
Notched impact strength Charpy	10 KJ/ mm ²	ISO179/3C	DIN53453
Rockwell hardness (dry)	R115	ISO2039.2	DIN53456

THERMAL PROPERTIES

Operating temperature continuously ^[17]	115 °C		
Deformation at temperature HDT ^[15]	130 °C	ISO75	DIN 53461
Linear expansion coefficient 23-60°C	68 x 10 ⁻⁶ K ⁻¹	ISO 11359	DIN 53752
Flammability	B1		DIN 4102-1

Characteristics:

- Excellent Mechanical Properties
- Superior Wear Resistance
- Excellent Dimensional Stability
- Low Co-efficient Of Friction
- Zero Moisture Absorption

Applications:

- High Tolerance Gears
- Precision Guides & Rails
- Conveyor Rollers
- Distribution Valves
- Plain Bearings
- Plug Connectors

All statements, technical information and recommendations contained in this Technical Data Sheet are presented in good faith, but all information given is without warranty and liability. The reader is cautioned, however that Tynic Engineering Plastics cannot guarantee the accuracy or completeness of this information and it is the customer's responsibility to determine the suitability of Tynic Engineering Plastics products in any given application.