



## Wefapress® TORimid

**Standard colour(s):** black  
**Special colour(s):** –  
**Fields of application:**

- sliding elements
- rotors
- pump parts

**Properties:**

- very good heat resistance
- minimum abrasion
- good uv-resistance

Material designation		TORimid	
Raw material	PAI		
Material colour(s)	black		
Properties	Unit	Test method	Value
Molecular weight (average molar mass)	g/mol		
Mechanical properties			
Density	g/cm <sup>3</sup>	DIN 53479	1,45
Tensile strength	N/mm <sup>2</sup>	DIN 53455	
Shore D hardness, 15s - Value	Skala D	DIN 53505	
Ball indentation hardness, 30s - Value	N/mm <sup>2</sup>	DIN ISO 2039 Part 1	200
Ultimate tensile strength	N/mm <sup>2</sup>	DIN 53455	
Elongation at break	%	DIN ISO / R 527	6
Modulus of elasticity	N/mm <sup>2</sup>	DIN 53457	5.800
Notched impact strength (Charpy)	kJ/m <sup>2</sup>	DIN 53453	4
Abrasion	%	Sand slurry method	
Coefficient of friction	μ		
Thermal properties			
Dimensional stability under heat	°C	DIN 53461	260
Vicat softening temperature	°C	DIN 53460	
Crystalline melting range	°C	DTA	
Thermal conductivity at 23 °C	W/ (K * m)	DIN 52612	0,54
Specific heat at 23 °C	kJ/ (K * Kg)		
Coefficient of linear expansion at 23 °C	10 <sup>-5</sup> * (1/K)	DIN 53752	~ 25
Fire behaviour		UL 94	V - 0
Application temperature (min.)	°C		
Application temperature (constant)	°C		250
Moisture absorption	%		~ 2,5
Electrical properties			
Specific volume resistance	Ω * cm	DIN 53482	> 10 <sup>13</sup>
Surface resistance	Ω	DIN 53482	> 10 <sup>13</sup>
Dielectric strength	kV/mm	DIN 53481	
Dielectric constant at 100 Hz		DIN 60250	0,037