

Comparison of characteristic mechanical values

Tradename		TECARIM 1500	TECAST-T	TECAMID 6.6
Raw material group		PA6 + 15 % Elastomer	Cast nylon	PA 6.6
Density	g/cm ³	1.12	1.10	1.14
Tensile strength	MPa	44* 54	60* 80	70* 90
Elongation at break	%	90 320*	5 50*	40 150*
Modulus of elasticity (tensile test)	MPa	900* 2100	1700* 3800	2000* 3300
Modulus of elasticity (flexural test)	MPa	1100* 2280	– 2900	– 2800
Shore hardness D		73* 77		
Impact resistance	23 °C kJ/m ²	20 42*	8	4
Impact resistance	- 40 °C kJ/m ²	14 15*	–	–
Moisture absorption in standard atmosphere	%	2.5	2.8	2.8

* Values after conditioning