

3° PART*

TECHNICAL DATA SHEET OF NYLON FOR MOULDING OF ACCESSORIES

Nomenclature: DURETHAN BKV (polyamide 6 reinforced with fibre glass at 30%)

Structural formula: $[\text{NH}-(\text{CH}_2)_5-\text{CO}]_n$ - da E - caprolattame

Physical construction partially crystalline: isotope structure finely crystalline

Seeming specific weight: aprox. 700 kg/m³

Density: aprox. 1,21-1,60 g/cm³

Working temperature: 80-150° C

MECHANICAL PROPERTIES

	Testing condition	Units	Standard	Tester	Dry value
Yield point	50 mm/min	N/mm ²	ISO/R 527 DIN 53455	Bar n°3 (4 mm. thickn.)	-
Breaking point	50 mm/min	N/mm ²	ISO/R 527 DIN 53455	Bar n°3 (4 mm. thickn.)	-
Elongation breaking point	50 mm/min	N/mm ²	ISO/R 527 DIN 53455	Bar n°3 (4 mm. thickn.)	-
Hardness sphere H 30	Method B	N/mm ²	ISO/R 527 DIN 53455	50x6x4 / 80x10x4	210/140

THERMAL PROPERTIES

	Testing condition	Units	Standard	Tester	Dry value
Fusion temperature	-	C°			217-221
Softening temperature VST/B 50	49,05 N	C°	ISO 306, DIN 53460	10x10x4	>200
HDT Thermal stability	A (1,80N/mm ²)	C°	ISO 75, DIN 534611	10x10x4	200
HDT Thermal stability	B (0,45N/mm ²)	C°	ISO 75, DIN 534611	10x10x4	215
HDT Thermal stability	C (5,00N/mm ²)	C°	ISO 75, DIN 534611	10x10x4	-