

TECHNICAL DATA SHEET

TECHNYL SHAPE C 448CR BK

(Previously DOMAMID 6HVI4H2HR2 BK)

Polyamide 6, heat-aging stabilized, hydrolysis stabilized, impact modified, high viscosity, for extrusion of pipes, black

General

Feature	Heat-aging stabilized Impact modified	High viscosity
Polymer type	PA6 (Polyamide 6)	
Processing technology	Extrusion	
Certification	RoHS	

Product identification

ISO 1043 abbreviation	PA6-I
ISO 16396 designation	PA6-I,E1HW,S14-020

Condition	Standard	Unit	Value
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Physical properties

Density		ISO 1183	g/cm ³	1.07
Melt volume-flow rate, MVR, 5.0 kg	275°C, 5kg	ISO 1133	cm ³ /10 min	3

Mechanical properties

dam / cond.*

Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	1900 / 600
Stress at break	5 mm/min	ISO 527-1/-2	MPa	50 / 50
Strain at break	5 mm/min	ISO 527-1/-2	%	> 50 / > 200
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	1800 / 450
Charpy impact strength, +23°C	+23°C	ISO 179/1eU		NB / NB
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m ²	85 / 100

Thermal properties

Melting temperature, 10°C/min		ISO 11357-1	°C	221
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Test run at 23°C if not differently specified, DAM state (dry as moulded).

*: conditioned according to ISO 1110

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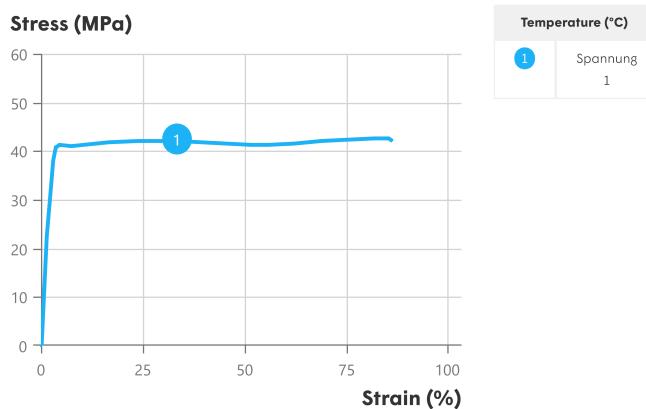
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Processing conditions

Drying temperature/time	75-85°C / 2-4h (with dew point of dried air < -30 °C)
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These parameters are typical of the product but should be related to the type of machinery used and to the type of moulded part.

Stress-strain, dry



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