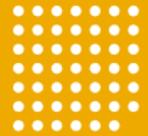


TECHNICAL DATA SHEET

**TECHNYL SHAPE C 448CR BK**  
**DOMAMID 6HVI4H2 BK**



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

**General**

Certifications	RoHS		
Polymer type	PA6		
Feature	heat-aging stabilized hydrolysis stabilized	high viscosity impact modified	
Processing technology	extrusion of pipes		

**Product identification**

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

Condition	Standard	Unit	Value
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**Physical properties**

Density		ISO 1183	g/cm <sup>3</sup>	1.07
Melt volume-flow rate, MVR, 5.0 kg	275°C, 5kg	ISO 1133	cm <sup>3</sup> /10 min	3.0

	Condition	Standard	Unit	Value
<b>Mechanical properties</b>				<b>dam / cond.*</b>
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	1900 / 600
Stress at break	50 mm/min	ISO 527-1/-2	MPa	50 / 50
Strain at break	50 mm/min	ISO 527-1/-2	%	50 / 200
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	1700 / 450
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m <sup>2</sup>	NB
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m <sup>2</sup>	90 / 100

\*: **conditioned according to ISO 1110**

	Condition	Standard	Unit	Value
<b>Thermal properties</b>				
Melting temperature, 10°C/min		ISO 11357-1	°C	221

**Processing conditions**

Drying temperature/time	75-85°C / 2-4h (with dew point of dried air < -30 °C)
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