

TECHNICAL DATA SHEET

TECHNYL SHAPE CL 416M NC

(Previously DOMAMID 6/PP 303 NC)

Polyamide 6 - Polypropylene, for extrusion of film and thin sheeting, natural color

General

Polymer type	(PA6 + PP) blend
Processing technology	Injection molding
Certification	RoHS

Product identification

ISO 16396 designation	PA6/PP,F,S14-030		
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Condition	Standard	Unit	Value
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Physical properties

Melt volume-flow rate, MVR, 5.0 kg	275°C, 5kg	ISO 1133	cm³/10 min	20
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Mechanical properties

dam / cond.*

Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	2650 / -
Stress at break	50 mm/min	ISO 527-1/-2	MPa	35 / -
Strain at break	50 mm/min	ISO 527-1/-2	%	30 / -
Yield stress	50 mm/min	ISO 527-1/-2	MPa	66 / -
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	2300 / -
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m²	NB / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m²	11 / -

Test run at 23°C if not differently specified, DAM state (dry as moulded).

*: conditioned according to ISO 1110

Processing conditions

Drying temperature/time	80°C/2-4h
Recommended melt temperature	240 - 280 °C
Recommended mould temperature	60 - 80 °C

These parameters are typical of the product but should be related to the type of machinery used and to the type of moulded part.

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