

TECHNICAL DATA SHEET

TECHNYL SHAPE CL 416M NC

DOMAMID 6/PP 303 NC



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

General

Polymer type	PA6 + PP blend		
Certifications	RoHS		
Feature	high viscosity	not heat stabilized	
Processing technology	extrusion of film and thin sheeting		

Product identification

ISO 1043 abbreviation	PA6-PP
ISO 16396 designation	PA6/PP,F,S14-030

Condition	Standard	Unit	Value
-----------	----------	------	-------

Physical properties

	Condition	Standard	Unit	Value
Density		ISO 1183	g/cm ³	1.08
Melt volume-flow rate, MVR, 5.0 kg	275°C, 5kg	ISO 1133	cm ³ /10 min	20.0

	Condition	Standard	Unit	Value
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/m ²	NB
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m ²	11 / -

*: **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