TECHNYL® SHAPE CL 416M NC

DOMO Engineering Plastics - *Polyamide 6 + PP*

General Information

Product Description

*Previously DOMAMID 6/PP 303 NC

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

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Viscosity		
Uses	• Consumer Applications	• Industrial Applications	
RoHS Compliance	• RoHS Compliant		
Processing Method	• Film Extrusion	• Sheet Extrusion	
ISO Designation (ISO 16396)	• PA6/PP,F,S14-030		
Resin ID (ISO 1043)	• PA6-PP		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	20	cm³/10min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	384000	psi	ISO 527-1
Tensile Stress (Yield)	9570	psi	ISO 527-2
Tensile Stress (Break)	5080	psi	ISO 527-2
Tensile Strain (Break)	30	%	ISO 527-2
Flexural Modulus	334000	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	5.2	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	No Break		ISO 179/1eU

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	464 to 536	°F
Mold Temperature	140 to 176	°F

Notes

[1] Typical properties: these are not to be construed as specifications.