

DOMO

caring
is our formula

The new **TECHNYL[®]** brand architecture

Designed
for performance



TECHNYL® – a brand with attributes under the roof of the DOMO family

DOMO will exclusively produce and commercialize the TECHNYL® brands – making the company the leading supplier in the European polyamide arena with an upstream integration of PA6 and PA66. And from February 2022 all DOMO technopolymers will be integrated worldwide under the TECHNYL® brand name, which will help us to keep growing with our global customers, with a focus on the automotive, E&E and consumer goods market segments.

Based on almost 70 years of experience, the TECHNYL® brands serve a wide range of applications and are now steadily expanding their scope under the new company umbrella. We put high value on making the TECHNYL® portfolio as transparent as possible to our customers. For this reason, you will find the newly structured product lines with the individual brands and brief descriptions of their application fields and benefits on the following pages.



**Sustainable
development
and human
care**



TECHNYL® 4EARTH

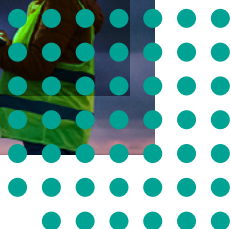
Sustainable polyamide

Sustainable engineered polyamide materials based on recycled content with certified CO₂ reduction compared to virgin-based solutions – offering the highest industry quality standard in terms of quality consistency and performance.

TECHNYL® SAFE

Food and water contact

Comprehensive range of water and food contact-approved grades – offering full EU and US certification for materials used in water management systems. For a maximum level of safety in urban applications and other environments.



TECHNYL® STAR

High-flow PA6 & PA 6.6

A high-fluidity range for lightweight replacement of metal in structural applications – combining outstanding mechanical performance and incomparable processability.

TECHNYL® MAX

High stiffness & strength

High glass fiber-filled solutions providing superior rigidity and fatigue resistance. For maximum mechanical performance when replacing metals.



Lightweight



Flame and temperature resistance

TECHNYL® PROTECT

Flame retardants

Complete range of flame retardant products (halogenated, halogen-free and red phosphorus-based), keeping people safe and protecting them from the spread of fire.

TECHNYL® ONE

Enhanced electrical properties

For demanding electrical applications: combines unparalleled electrical performance with high thermal resistance, reduces tool corrosion, and simplifies processing – all in ONE.

TECHNYL® RED

High thermal resistance

Helps meet growing demand for downsized, lightweight engines that still offer power and performance. For greater resistance to the higher temperatures and pressures of new generation engines.

TECHNYL® SHAPE

For extrusion & blow molding

Solutions for extrusion and blow molding technology: aid in producing the special shapes and geometries that can't be achieved with standard injection molding technology.

TECHNYL® SLIDE

Friction & wear resistance

Friction & wear-resistant product line mainly for gear bearing applications. Designed to ensure longer life times and lower abrasion of contacting parts.

TECHNYL® PURE

Electrically neutral

For all high-purity compounds for highly sensitive electronics and fuel cell system applications. To avoid corrosion or passivation due to contamination and hence ensure part performance over life time.



Coding system – DOMO's nomenclature

Please find a short and general introduction to the systematic nomenclature of our products, offering you a simple and concise guide to how our compounds are named.

THE NOMENCLATURE IS DIVIDED INTO 3 GROUPS:

- General nomenclature
- Special grades nomenclature
- Flame retardant grades nomenclature

Coding system: General nomenclature

TECHNYL®+ATTRIBUTE	A	2	1	8	V30	BK R1234	XB
TRADE NAMES TECHNYL® (PA6, PA6.6 and copolymers) TECHNYL® 4EARTH (Sustainable polyamide) TECHNYL® MAX (High stiffness & strength) TECHNYL® ONE (Enhanced electrical properties) TECHNYL® PROTECT (Flame retardants) TECHNYL® PURE (Electrically neutral) TECHNYL® RED (High thermal resistance) TECHNYL® SAFE (Food and water contact) TECHNYL® SHAPE (For Extrusion & blow molding) TECHNYL® SLIDE (Friction & wear resistance) TECHNYL® STAR (High flow PA6 & PA6.6)	POLYMER TYPE A PA 6.6 AC PA6+PA66 blend AT PA66+PET blend AZ PA66+PEE blend AX PA66 High performance B PA6.6/6 copolymer C PA 6 CL PA6+PP blend D PA6.10 DA PA6.10+PA6 blend DC PA6.12+PA6 blend J PA66.6T KC PA+ABS blend AF or AFX** High flow PA 6.6 S or SX** High flow PA6 A*E Recycled polymer PA6.6 C*E Recycled polymer PA6	POLYMER CHARACTERISTIC 1 Improved flow for injection molding 2 Standard viscosity level for injection molding 3-4 Medium-high viscosity level for injection and extrusion 5 High viscosity for extrusion and blow molding NUCLEATION/ IMPACT MODIFIER 0-2 Nucleation level 3-5 Impact modified level PROTECTION TYPE 2-6 Lubricated, no thermal protection 7-8 Thermally protected (inorganic) 9 Thermally protected (organic)	FILLER type and % C Carbon fiber CV Glass/carbon mix MB, MP, MT, MX, or MZ Mineral filler MV Glass/mineral mix S Glass beads V Glass fiber XV Special glass fiber	COLOR FIGURE BG Beige BK Black BL Blue BW Brown GN Green GY Gray NC Non colored ORANGE Orange PK Pink RD Red VT Violet WT White YL Yellow COLOR CODE (up to 5 digits) P Pantone R RAL XB/BL Salt and pepper			

* 1, 2, 3, 5, 9

** X for more than 50% GF

Coding system: Special grades

TECHNYL®	A	548	B	V15	BK	LP
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PROCESSING

B	Blow molding
F	Fast cycle (unfilled)

PERFORMANCE

CR	Chemical Resistance
E1/E2	Electro Friendly
FC	Food contact approved
G	Glycol resistance level
HP/HPS	Heat performance
L/L1/L2	Light (UV) resistance level
M	Modified
P1/P2/P3	Plasticized (Soft) level
S	Surface improved
SI	Super impact (low temperature)
WFC	Water and Food contact approved
Y or TF	Friction resistance

SPECIAL CHARACTERISTICS

G/G1/G2	Glycol resistance level
LP	YAG Laser printable/markable
LPU	UV Laser printable/markable
LT	Laser transparent

Coding system: Flame retardant grades

TECHNYL®	Protect	A	6	0	G1	V30
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FLAME RETARDANT SYSTEM

2	Red phosphorus
3	Halogenated
5	Halogen free
6	Organo-phosphorus

UL 94 RATING

0	UL94 V0
1	UL94 V1
2	UL94 V2

SPECIAL CHARACTERISTICS

G	Glow wire resistant
H	Heat stabilized
SX	Limited exudation & blooming
TH	Thermally conductive
X	Low fire & fumes toxicity
Number is the version	



DISCLAIMER

TECHNYL® is a trademark of DOMO. TECHNYL® is exclusively developed and sold by DOMO in the EEA, Switzerland and, from February 2022, also in all other global regions.

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