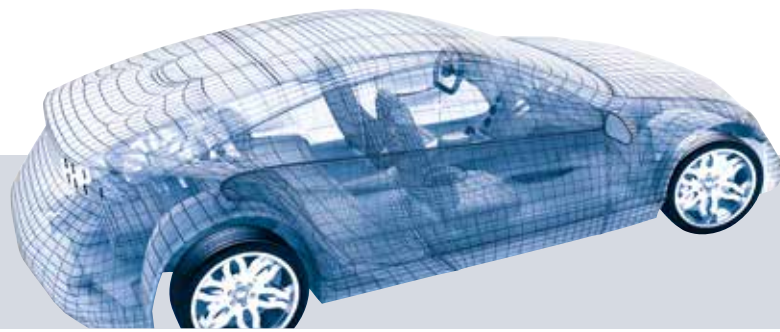




The strength of chemicals.



## PRODUCTS LIST

DOMAMID & ECONAMID

## PA6

Material	Grade Name	Colour	Viscosity	E-modulus (Mpa)	Charpy notched (23°C;KJ/m²)	Flammability	Other Properties
<b>UNFILLED</b>							
PA6, general purpose	<b>6</b>	All colours	S	3200	4.5	UL94 - V2 •	FC available
PA6, high fluidity	<b>6LV</b>	All colours	L	3100	4	UL94 - V2 •	FC available
PA6, high fluidity	<b>6LV 302</b>	NC/BK	L	3200	5		
PA6, high fluidity	<b>6LVGT85</b>	All colours	L	3100	4	UL94 - V2 • RTI(120-65-90)	
PA6, fast cycle	<b>S 6</b>	All colours	S	3100	4.5	UL94 - V2 •	FAST CYCLE - FC available
PA6, fast cycle	<b>6N1</b>	NC/BK	S	3400	5		FAST CYCLE
PA6, fast cycle	<b>6N2</b>	NC/BK	S	3500	5	UL94 - V2 •	FAST CYCLE
PA6, medium viscosity	<b>6MV</b>	All colours	M	2900	5.5		
PA6, medium viscosity	<b>6MV 303</b>	NC/BK	M	3100	4		
PA6, high viscosity	<b>6HV</b>	All colours	H	3000	6		
PA6, high viscosity	<b>6HVH2</b>	NC/BK	H	2850	7		HEAT STABLE
<b>FILLED</b>							
PA6, 15% glass beads	<b>6B15</b>	All colours	S	3300	4		
PA6, 30% glass beads	<b>6B30</b>	All colours	S	4200	7.5		FC available
PA6, 30% glass beads	<b>6B30 300</b>	All colours	S	4500	3.5		
PA6, 50% glass beads	<b>6B50</b>	All colours	S	5900	4.5		
PA6, 30% glass fiber and beads	<b>6GB3010 300</b>	All colours	S	6000	4		
PA6, 30% glass fiber and glass beads	<b>6GB3020H1</b>	All colours	S	7500	7		HEAT STABLE
PA6, 30% mineral filler	<b>6M30</b>	All colours	S	4800	4.5		
PA6, 30% glass fiber and mineral filler	<b>6GM3010</b>	All colours	S	7000	5.5		
<b>REINFORCED</b>							
PA6, 15% glass fiber reinforced	<b>6G15</b>	All colours	S	6100	6.5	UL94 - HB •	FC available
PA6, 15% glass fiber reinforced	<b>6G15FC300</b>	All colours	S	5600	6.5	UL94 - HB •	FOOD CONTACT
PA6, 15% glass fiber reinforced	<b>6G15H1</b>	All colours	S	6100	6.5	UL94 - HB •	HEAT STABLE
PA6, 15% glass fiber reinforced	<b>6G15H2</b>	NC/BK	S	6200	5.5		HEAT STABLE
PA6, 20% glass fiber reinforced	<b>6G20</b>	All colours	S	7100	10	UL94 - HB •	FC available
PA6, 20% glass fiber reinforced	<b>6G20 FC300</b>	All colours	S	6500	9	UL94 - HB •	FOOD CONTACT
PA6, 25% glass fiber reinforced	<b>6G25</b>	All colours	S	8500	13	UL94 - HB •	
PA6, 25% glass fiber reinforced	<b>6G25FC300</b>	All colours	S	8300	10	UL94 - HB •	FOOD CONTACT
PA6, 30% glass fiber reinforced	<b>6G30</b>	All colours	S	9500	14	UL94 - HB •	
PA6, 30% glass fiber reinforced	<b>6G30FC300</b>	All colours	S	9500	15	UL94 - HB •	FOOD CONTACT
PA6, 30% glass fiber reinforced	<b>6G30 111</b>	All colours	S	9600	9		
PA6, 30% glass fiber reinforced	<b>6G30 623</b>	All colours	S	9700	12		
PA6, 30% glass fiber reinforced	<b>6G30H1</b>	All colours	S	9500	15	UL94 - HB •	HEAT STABLE
PA6, 30% glass fiber reinforced	<b>6G30H2</b>	NC/BK	S	9500	11		HEAT STABLE
PA6, 30% glass fiber reinforced	<b>6G30UV1</b>	All colours	S	9500	15		UV STABLE
PA6, 30% glass fiber reinforced	<b>6LVG30 300</b>	All colours	L	9500	13		
PA6, 30% glass fiber reinforced	<b>R 6G30</b>	Grey/BK	S	9000	9		
PA6, 35% glass fiber reinforced	<b>6G35FC300</b>	All colours	S	11000	16	UL94 - HB •	FOOD CONTACT
PA6, 40% glass fiber reinforced	<b>6G40</b>	All colours	S	13000	20		
PA6, 40% glass fiber reinforced	<b>6G40FC300</b>	All colours	S	12000	13	UL94 - HB •	FOOD CONTACT
PA6, 40% glass fiber reinforced	<b>6LVG40H2</b>	NC/BK	L	12000	15		HEAT STABLE
PA6, 45% glass fiber reinforced	<b>6G45UV2</b>	All colours	S	14500	18		UV STABLE
PA6, 50% glass fiber reinforced	<b>6G50</b>	All colours	S	16000	22		FC available
PA6, 50% glass fiber reinforced	<b>6G50FC300</b>	All colours	S	17000	18	UL94 - HB •	FOOD CONTACT
<b>HIGH FLOW</b>							
PA6, 30% glass fiber reinforced	<b>VHF 6G30</b>	All colours	L	9400	12		ULTRA LOW VISCOSITY
PA6, 30% glass fiber reinforced	<b>VHF 6G30H1</b>	All colours	L	9400	12		ULTRA LOW VISCOSITY - HEAT STABLE
PA6, 40% glass fiber reinforced	<b>6LVG40</b>	All colours	L	12000	19		
PA6, 40% glass fiber reinforced	<b>6LVG40H2</b>	NC/BK	L	12200	12		HEAT STABLE
PA6, 50% glass fiber reinforced	<b>6LVG50H2</b>	NC/BK	L	16000	16		HEAT STABLE
PA6, 50% glass fiber reinforced	<b>6LVG50 300</b>	All colours	L	17000	18		
PA6, 50% glass fiber reinforced	<b>VHF 6G50</b>	All colours	L	15000	19		ULTRA LOW VISCOSITY
PA6, 60% glass fiber reinforced	<b>6LVG60</b>	All colours	L	20500	15		
<b>HIGH QUALITY SURFACE</b>							
PA6, 30% glass fiber reinforced	<b>HCE 6G30</b>	All colours	S	10000	15		ESTHETICAL
PA6, 50% glass fiber reinforced	<b>HCE 6G50</b>	All colours	S	17000	21		METAL REPLACEMENT
PA6, 60% glass fiber reinforced	<b>HCE 6G60</b>	All colours	S	22000	16		METAL REPLACEMENT
PA6, 65% glass fiber reinforced	<b>HCE 6G65</b>	All colours	S	24000	17		METAL REPLACEMENT
<b>IMPACT MODIFIED</b>							
PA6, unfilled	<b>6I1</b>	All colours	S	2700	18		IMPACT LEVEL 1 - FC available
PA6, unfilled	<b>6I2</b>	All colours	S	2400	35		IMPACT LEVEL 2
PA6, unfilled	<b>6I4</b>	All colours	S	1900	75		HIGH IMPACT
PA6, unfilled	<b>6IK1 302</b>	All colours	S	2700	12		IMPACT LEVEL 1 - LOW TEMPERATURE
PA6, unfilled	<b>6IK2</b>	All colours	S	2350	45	UL94 - HB •	IMPACT LEVEL 2 - LOW TEMPERATURE
PA6, unfilled	<b>6IK4</b>	All colours	S	1850	70		HIGH IMPACT - LOW TEMPERATURE
PA6, unfilled	<b>6IK4 301</b>	All colours	S	2000	60		HIGH IMPACT - LOW TEMPERATURE
PA6, 10% glass fiber reinforced	<b>6G10IK2H2</b>	NC/BK	S	3900	12		IMPACT LEVEL 2 - HEAT STABLE
PA6, 15% glass fiber reinforced	<b>6G15I1</b>	All colours	S	5500	12		IMPACT LEVEL 1
PA6, 15% glass fiber reinforced	<b>6G15I1 301</b>	All colours	S	5400	13		IMPACT LEVEL 1
PA6, 15% glass fiber reinforced	<b>6G15IK1</b>	All colours	S	5200	16		IMPACT LEVEL 1
PA6, 15% glass fiber reinforced	<b>6G15IK3H2</b>	NC/BK	S	4500	20		IMPACT LEVEL 2 - HEAT STABLE
PA6, 30% glass fiber reinforced	<b>6G30I1</b>	All colours	S	8600	22		IMPACT LEVEL 1
PA6, 30% glass fiber reinforced	<b>6G30IK1</b>	All colours	S	8600	21		IMPACT LEVEL 1 - LOW TEMPERATURE

**Note:** Test run at 23°C if not differently specified, DAM state (dry as moulded), valid for natural colored products

PA6	Material	Grade Name	Colour	Viscosity	E-modulus (Mpa)	Charpy notched 23°C; kJ/m²	Flammability	Other Properties
<b>LOW FRICTION</b>								
	PA6, unfilled, with molybdenum disulfide	L 6Y10	Gray/BK	S	3200	5		LOW FRICTION
	PA6, 15% glass fiber reinforced, with molybdenum disulfide	L 6615Y10	Gray/BK	S	5900	6		LOW FRICTION
	PA6, 30% glass fiber reinforced, with molybdenum disulfide	L 6630Y10	Gray/BK	S	9000	11		LOW FRICTION
	PA6, 50% glass fiber reinforced, with molybdenum disulfide	L 6650Y10	Gray/BK	S	16000	16		LOW FRICTION
<b>PLASTICIZED</b>								
	PA6, plasticized	6HVPS3	All colours	H	700	40		PLASTICIZED
	PA6, plasticized, nucleated	6HVPS3N1	All colours	H	750	40		PLASTICIZED

PA6	Material	Grade Name	Colour	E-Modulus (Mpa)	Charpy notched (23°C;KJ/m²)	CTI (IEC 60112) V	GWFI (IEC 695-2-12 C°)	Flammability
<b>FLAME RETARDANT</b>								
HALOGEN FREE	PA6, unfilled	FR 6VOM	All colours	3400	4	600	960	UL94 - VO •
HALOGEN FREE	PA6, unfilled	FR 6VOM1	All colours	3500	3.5	600	960	UL94 - VO •
HALOGEN FREE	PA6, unfilled	FR 6VOMX	All colours	3200	4.5	600	960	UL94 - VO •
HALOGEN FREE	PA6, 25% glass fiber reinforced	FR 6620GT96MX	All colours	5000	4	600	960	UL94 - V2 • RTI (120-65-105)
HALOGEN FREE	Copolymer 6/66, unfilled	FR 6/66VOMX	All colours	3000	4	600	960	UL94 - VO •
HALOGEN FREE	PA6, 25% glass fiber reinforced	FR 6625VOE	All colours	9000	8	600	960	UL94 - VO •
HALOGEN FREE	PA6, 30% glass fiber reinforced	FR 6630VOE	All colours	10500	9	600	960	UL94 - VO •
HALOGEN FREE	PA6, 30% glass fiber reinforced	FR 6630VOEX	All colours	11000	7	600	960	UL94 - VO • RTI (140-105-110)
HALOGENATED	PA6, 25% glass fiber reinforced	FR 6630VOA	All colours	10000	13.5	350	960	VO

## PA66

PA66	Material	Grade name	Colour	Viscosity	E-modulus (Mpa)	Charpy notched (23°C;KJ/m²)	Flammability	Other Properties
<b>UNFILLED</b>								
	PA66, general purpose	66	All colours	S	3200	4.5		
	PA66, general purpose	66H1	All colours	S	3200	4.5		HEAT STABLE
	PA66, general purpose	S 66	All colours	S	3400	4		FAST CYCLE
<b>FILLED</b>								
	PA66, 30% glass beads	66B30	All colours	S	4600	4		FC available
	PA66, 30% glass fiber and glass beads	66GB3010	All colours	S	6000	4		
	PA66, 30% glass fiber and mineral filler	66GM3020H1	All colours	S	6500	6		HEAT STABLE
	PA66, 40% mineral filler	66M40	All colours	S	5500	6.5		
<b>REINFORCED</b>								
	PA66, 15% glass fiber reinforced	66G15	All colours	S	6000	6		FC available
	PA66, 30% glass fiber reinforced	66G30	All colours	S	10000	12		FC available
	PA66, 30% glass fiber reinforced	66G30H1	All colours	S	9900	11	UL94 - HB •	HEAT STABLE
	PA66, 30% glass fiber reinforced	66G30HR1	All colours	S	9500	10		HYDROLYSIS RESISTANT
	PA66, 35% glass fiber reinforced	66G35H1	All colours	S	10900	13	UL94 - HB •	HEAT STABLE
	PA66, 40% glass fiber reinforced	66G40H1	All colours	S	13200	14	UL94 - HB •	HEAT STABLE
	PA66, 50% glass fiber reinforced	66G50	All colours	S	160000	17		
	PA66, 50% glass fiber reinforced	66G50H1UV1	All colours	S	16000	17		HEAT STABLE / UV RESISTANT
<b>IMPACT MODIFIED</b>								
	PA66, unfilled	66I1	All colours	S	2700	15		IMPACT LEVEL 1
	PA66, unfilled	66I2	All colours	S	2500	35		IMPACT LEVEL 2
	PA66, unfilled	66I4	All colours	S	1900	65		HIGH IMPACT
	PA66, unfilled	R 66I3H2	BK	S	2200	45		IMPACT LEVEL 3 - HEAT STABLE
	PA66, unfilled	66IK4	All colours	S	1800	65		HIGH IMPACT - LOW TEMPERATURE
	PA66, 30% glass fiber reinforced	66G30I1	All colours	S	8400	15		IMPACT LEVEL 1
<b>LOW FRICTION</b>								
	PA66, unfilled with MoS2	L 66Y10	Gray/BK	S	3400	5		LOW FRICTION
	PA66, 15% glass fiber reinforced with MoS2	L 66G15Y10	Gray/BK	S	5500	5		LOW FRICTION
	PA66, 30% glass fiber reinforced with MoS2	L 66G30Y10	Gray/BK	S	9000	10		LOW FRICTION
	PA66, 50% glass fiber reinforced with MoS2	L 66G50Y10	Gray/BK	S	15000	14		LOW FRICTION
	PA66, 20% glass fiber reinforced with PTFE	66G20TF20	All colours	S	6000	8		LOW FRICTION
	PA66, 30% glass fiber reinforced with PTFE	66G30TF15	All colours	S	10000	11		LOW FRICTION
<b>BLEND</b>								
	PA6/66 Alloy	66/66I1H2	BK	S	2800	10		IMPACT LEVEL 1 - HEAT STABLE

PA66	Material	Grade Name	Colour	E-Modulus (Mpa)	Charpy notched (23°C;KJ/m²)	CTI (IEC 60112) V	GWFI (IEC 695-2-12 C°)	Flammability
<b>FLAME RETARDANT</b>								
HALOGEN FREE	PA6, unfilled	FR 66VOM	All colours	3700	3.5	600	960	VO
HALOGEN FREE	PA66/6, unfilled	FR 66/6VOM	All colours	3600	4	600	960	UL94 - VO • (RTI 130-90-100)
HALOGEN FREE	PA66, 25% glass fiber reinforced	FR 66G25VOE	All colours	9500	8	500	960	UL94 - VO •
HALOGEN FREE	PA66, 30% glass fiber reinforced	FR 66G30VOE	All colours	10500	8.5	600	960	UL94 - VO •
HALOGEN FREE	PA66, 30% glass fiber reinforced	FR 66G30VOEX	All colours	10500	7	600	960	UL94 - VO • (RTI 130-105-120)
HALOGEN FREE	PA66, 30% glass fiber reinforced	FR 66G30VOJ	All colours	11000	9	450	960	UL94 - VO, 5VA • (RTI 140-65-65)
HALOGENATED	PA66, 25% glass fiber reinforced	FR 66G25VOAH1	All colours	9500	8.5	350	960	UL94 - VO •
RED PHOSPOROUS BASED	PA66, 25% glass fiber reinforced	FR 66G25VOP1	NC/BK	8500	11	575	960	UL94 - VO • (RTI 130-65-65)
RED PHOSPOROUS BASED	PA66, 25% glass fiber reinforced	FR 66G25VOP1A	NC/BK	8000	10	575	960	UL94 - VO •
RED PHOSPOROUS BASED	PA66, 25% glass fiber reinforced	FR 66G25VOP1X	NC/BK	8500	9	550	960	UL94 - VO • (RTI 120-105-120)
RED PHOSPOROUS BASED	PA66, 25% glass fiber reinforced	FR 66G25VOP3	NC/BK	7500	9	500	960	VO
RED PHOSPOROUS BASED	PA66, 25% glass fiber reinforced	FR 66G25VOP3A	NC/BK	7000	8	500	960	VO

**Note:** Test run at 23°C if not differently specified, DAM state (dry as moulded), valid for natural colored products

# ECONAMID®

## PA6

	Material Description	Grade Name	Colour	E-Modulus (Mpa)	CHARPY notched	Other Properties
<b>UNFILLED</b>						
	rPA6, general purpose	<b>FL 6</b>	BK	2800	5	
	rPA6, general purpose	<b>FLX 6</b>	BK	2500	4,5	
<b>GLASS FIBRE REINFORCED</b>						
	rPA6, 15% glass fiber reinforced	<b>FL 6G15</b>	BK	5000	4	
	rPA6, 30% glass fiber reinforced	<b>FL 6G30</b>	BK	9000	5	
	rPA6, 30% glass fiber reinforced	<b>FL 6G30H1</b>	BK	9000	6	HEAT STABLE
	rPA6, 30% glass fibre and mineral filler	<b>FL 6GM30I0</b>	BK	6000	4,5	
	rPA6, 30% glass fibre and mineral filler	<b>FL 6GT30I0H2</b>	BK	6000	4,5	HEAT STABLE
	rPA6, 30% glass fibre and mineral filler	<b>FL 6GT30I0</b>	BK	8000	5	
	rPA6, 30% glass fibre and mineral filler	<b>FL 6GT30I0H2</b>	BK	8000	5	HEAT STABLE
HALOGEN FREE FLAME RETARDANT	rPA6, 30% glass fiber reinforced	<b>ORO 6G30</b>	All colours	9500	15	
	rPA6, 30% glass fiber reinforced	<b>FR 6G30VOE</b>	BK	10000	6	VO
<b>IMPACT MODIFIED</b>						
	rPA6, unfilled	<b>FL 6I1</b>	BK	2600	9	IMPACT LEVEL 1

## PA66

	Material description	Grade Name	Colour	E-Modulus (Mpa)	CHARPY notched	Other Properties
<b>UNFILLED</b>						
	rPA66, general purpose	<b>FL 66</b>	BK	2900	5	
<b>REINFORCED</b>						
	rPA66, 15% glass fiber reinforced	<b>FL 66G15</b>	BK	5500	4	
	rPA66, 30% glass fiber reinforced	<b>FL 66G30</b>	BK	8500	5	
	rPA66, 35% glass fiber reinforced	<b>FL 66G35H1</b>	BK	9900	6	HEAT STABLE
RED PHOSPOROUS BASED	rPA66, 25% glass fiber reinforced	<b>FR 66G25VOP</b>	BK	8000	5,5	VO
<b>IMPACT MODIFIED</b>						
	rPA66, unfilled	<b>FL 66I1</b>	BK	2650	9	IMPACT LEVEL 1
	rPA66, unfilled	<b>FL 66I2</b>	BK	2350	14	IMPACT LEVEL 2
	rPA66, unfilled	<b>PLUS 66I3H2</b>	BK	2100	25	IMPACT LEVEL 3
	rPA66, unfilled	<b>PLUS 66H1 500</b>	BK	2800	9	STANDARD IMPACT

**Note:** Test run at 23°C if not differently specified, DAM state (dry as moulded), valid for natural colored products



The strength of chemicals.

**DOMO Engineering Plastics GmbH** - P +49 03386 21397 86 - F +49 03386 21397 66 - info.dep@domo.org

**DOMO Engineering Plastics Italy S.p.A** - P +39 0464 587 676 - F +39 0464 587 607 - info.depi@domo.org

**Technical Polymers, LLC** - P +1 770237 2311 - F +1 770237 2026 - tpinfo@techpolymers.com

**DOMO Engineering Plastics (Jiaxing) Co., Ltd.** - P +86-0573-82200838 - F +86-0573-82200837 - info.jiaxing@domo.org