

DOMAMID® XS

Available in 3 product lines: **Standard – High fluidity – Low warpage**

MATERIAL PROPERTIES

Excellent flow for potential thin wall molding (ribs)

Tensile strength up to 290 MPa

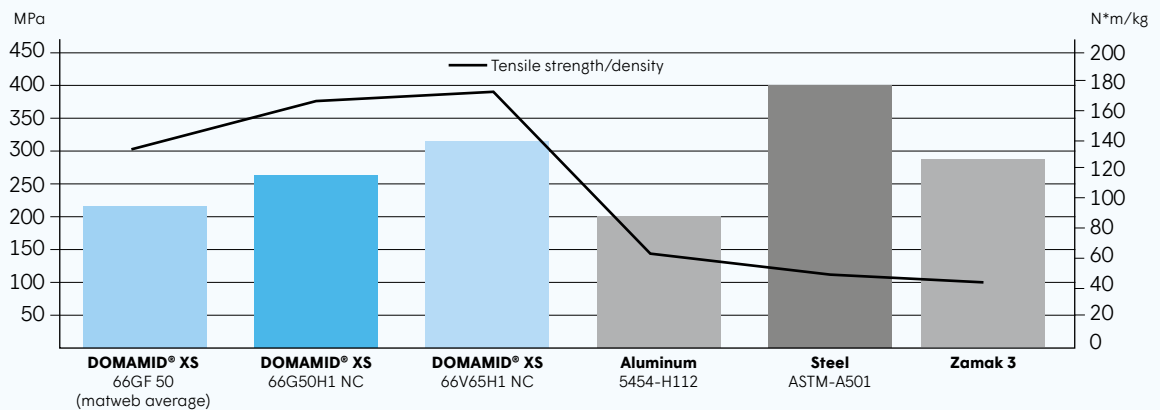
Tensile modulus up to 25 000 MPa

Flexural modulus up to 22 000 MPa



Substituting aluminum with DOMAMID®XS you can gain up to 40% weight savings with comparable strength.

TENSILE STRENGTH



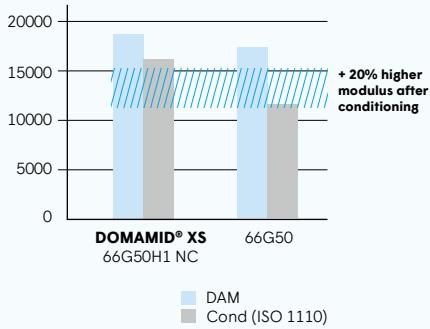
DESIGNED FOR: HIGH STRENGTH & STIFFNESS, MINIMUM WARPAGE, OPTIMAL PROCESSING AND SURFACE FINISH



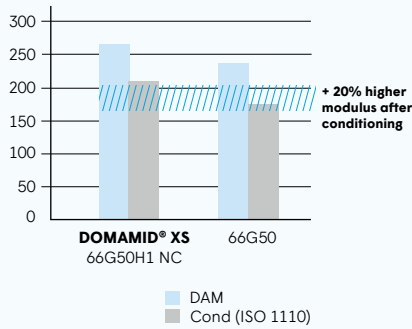
DOMAMID® XS

DOMAMID® XS VS STANDARD PA66 COMPOUNDS

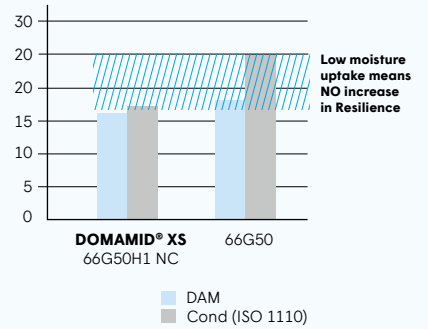
Tensile modulus of elasticity [MPa]



Tensile stress at break [MPa]

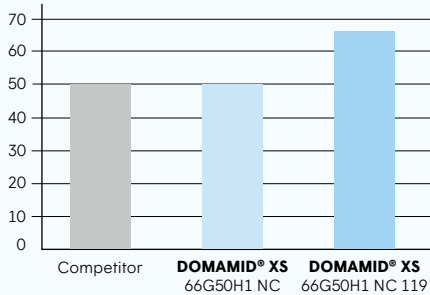


Charpy impact notched [KJ/m²]

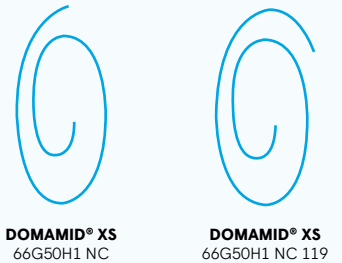
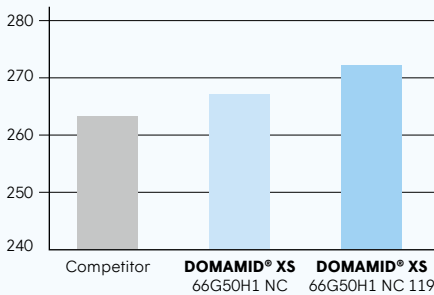


DOMAMID® XS WITH IMPROVED FLOW AND PROCESSABILITY

Spiral flow

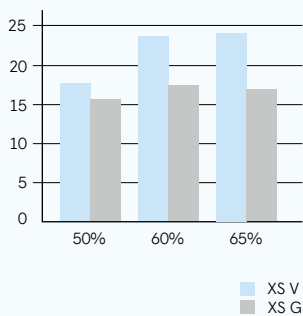


Tensile stress at break

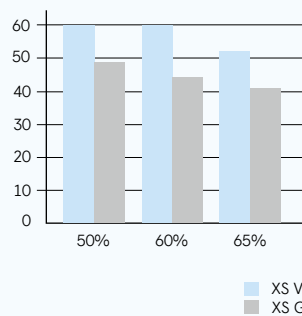


DOMAMID® XS: V&G SERIES

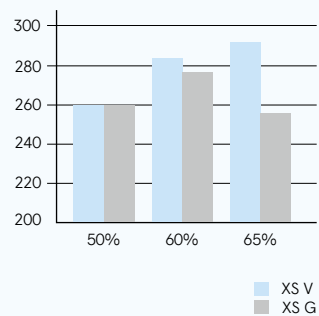
Charpy notched



Spiral flow



Tensile stress at break



DOMAMID® XS

PRODUCT RANGE

Product description	Density g/cm ³ ISO 1183	Tensile modulus MPa ISO 527		Tensile stress at break MPa ISO 527		Charpy notched Kj/m ISO 179/1eA		Moisture absorption % ISO 62
		dam	cond	dam	cond	dam	cond	
DOMAMID® XS 66G50H1 PA66 Alloy, 50% glass fiber, heat stable	1.57	18 000	17 000	265	245	16	16	1.4
DOMAMID® XS 66G60H1 PA66 Alloy, 60% glass fiber, heat stable	1.70	23 000	20 000	275	225	17	17	1.2
DOMAMID® XS 66G65H1 PA66 Alloy, 65% glass fiber, heat stable	1.78	25000	21 500	275	230	16	15	1.15
DOMAMID® XS 66V50H1 PA66 Alloy, 50% special glass fiber, heat stable	1.59	18 000	17 000	265	245	18	19	1.4
DOMAMID® XS 66V60H1 PA66 Alloy, 60% special glass fiber, heat stable	1.70	22 000	20 000	280	225	20	21	1.2
DOMAMID® XS 66V65H1 PA66 Alloy, 65% special glass fiber, heat stable	1.78	25 500	22 000	285	240	27	22	1.15
DOMAMID® XS 66G50H1 119 PA66 Alloy, 50% glass fiber, heat stable, improved flowability	1.57	18 300	17 200	270	245	17	16	1.4
DOMAMID® XS 66G60H1 119 PA66 Alloy, 60% glass fiber, heat stable, improved flowability	1.70	22 000	20 000	280	225	18	17	1.2
DOMAMID® XS 66G65H1 119 PA66 Alloy, 65% glass fiber, heat stable, improved flowability	1.78	25 000	20 000	280	230	16	15	1.15
DOMAMID® XS 66V50H1 119 PA66 Alloy, 60% special glass fiber, heat stable, improved flowability	1.57	18 000	1 700	265	235	18	17	1.4
DOMAMID® XS 66V60H1 119 PA66 Alloy, 60% special glass fiber, heat stable improved flowability	1.70	22 500	22 000	280	250	23	22.5	1.2
DOMAMID® XS 66V65H1 119 PA66 Alloy, 65% special glass fiber, heat stable improved flowability	1.78	25 500	25 000	290	270	20	20	1.15

