

Datablad Rustfrit stål / TPU			
Standard	Mål (+/- 1mm)	TPU	
ledelinje med/uden dorn	Standard mål	Sort, Hvid, Gul	
	290 x 36 x 5 mm	x	
	280 x 36 x 5 mm	x	
	400 x 36 x 5 mm	x	
	290 x 36 x 3,5 mm	x	*
	280 x 36 x 3,5 mm	x	*
	400 x 36 x 3,5 mm	x	*
Nitte med/uden dorn	Ø 36 x 5mm	x	
	Ø 36 x 3,5mm	x	*

- Støbte ledelinjer og nitter i 3,5mm har ikke hul bagside grundet tykkelsen.
- Ovenstående er standard mål, kan leveres i andre mål efter ordre.

CAMPUS® Automotive OEM Datasheet

Desmopan 3055DU - TPU
Covestro Deutschland AG



Physical properties	I	M	E ¹	Value	Unit	Test Standard
Melt volume-flow rate, MVR	X	X	X	-	cm ³ /10min	ISO 1133
Temperature	X	X	X	-	°C	ISO 1133
Load	X	X	X	-	kg	ISO 1133
Viscosity number	X	X	X	-	cm ³ /g	ISO 307, 1157, 1628
Molding shrinkage, parallel	X	X	X	-	%	ISO 294-4, 2577
Molding shrinkage, normal	X	X	X	-	%	ISO 294-4, 2577
Humidity absorption	X	X	X	-	%	Sim. to ISO 62
Water absorption	X	X	X	-	%	Sim. to ISO 62
Density	X	X	X	1220	kg/m ³	ISO 1183
Type and amount of reinforcement				-	-	ISO 3451-1
Mechanical properties	I	M	E ¹	Value	Unit	Test Standard
Tensile modulus	X	X	X	-	MPa	ISO 527-1/-2
Yield stress	X	X	X	-	MPa	ISO 527-1/-2
Stress at break	X	X	X	-	MPa	ISO 527-1/-2
Yield strain	X	X	X	-	%	ISO 527-1/-2
Strain at break	X	X	X	-	%	ISO 527-1/-2
Charpy impact strength, +23°C	X	X	X	-	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	X	X	X	-	kJ/m ²	ISO 179/1eA
Charpy impact strength, -30°C	X	X	X	-	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, -30°C	X	X	X	-	kJ/m ²	ISO 179/1eA
Puncture test - ductile/brittle transition temperature	X	X		-	°C	ISO 6603-2
Thermal properties	I	M	E ¹	Value	Unit	Test Standard
Melting temperature, 10°C/min	X	X	X	-	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	X	X	X	-	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	X	X	X	-	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	X	X	X	-	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	X	X	X	-	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	X	X	X	-	°C	ISO 306
Coeff. of linear therm. expansion -40°C to +100°C, parallel	X	X	X	-	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion -40°C to +100°C, normal	X	X	X	-	E-6/K	ISO 11359-1/-2
FMVSS	X			-	-	ISO 3795 (FMVSS 302)
Burning rate, FMVSS, Thickness 1 mm	X			-	mm/min	ISO 3795 (FMVSS 302)
Burning Behav. at 1.5 mm nom. thickn.		X	X	-	class	IEC 60695-11-10
Emission / Odor	I	M	E ¹	Value	Unit	Test Standard
Emission of organic compounds	X			-	µgC/g	VDA 277
Thermal desorption analysis of organic emissions	X			-	µg/g	VDA 278
Odor test	X	X ²		-	class	VDA 270
Long term / Aging	I	M	E ¹	Value	Unit	Test Standard
Thermal stability in air (Charpy at 50% decrease, 3000h)	X	X	X	-	°C	DIN/IEC 60216-1
Test specimen				-	-	-

LTHA-Charpy Notched Impact Strength (23°C)

No data available

¹I=Interior parts, M=Parts in motor compartment, E=Exterior parts
²air-ducting parts with contact to interior

Datasheet according to an agreement between VDA (Association of the Automotive Industry), PFA (French Automotive Industry) and CAMPUS®.
All properties of VDA 232-201 are entirely included in this datasheet.
All data is subject to the producer's disclaimer.
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CAMPUS® Datasheet

Desmopan 3055DU - TPU
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Product Texts

- injection molding grade
- with high mechanical strength for articles subject to wear
- with special UV stabilizers
- excellent abrasion resistance
- good wear resistance
- Application
- Injection molded engineering parts
- Rollers

Mechanical properties	Value	Unit	Test Standard
Compression set at 23 °C, 24h	21	%	ISO 815
Compression set at 70 °C, 24h	35	%	ISO 815
Compression set at 100 °C, 24h	26	%	ISO 815
Abrasion resistance	26	mm ³	ISO 4649
Shore A hardness, 3s	96	-	ISO 7619-1
Shore D hardness, 15s	56	-	ISO 7619-1
Other properties	Value	Unit	Test Standard
Density	1220	kg/m ³	ISO 1183

Characteristics

Processing

Injection Molding

Typical value

Regional Availability

Europe, Near East/Africa

These values are typical values only. Unless explicitly agreed in written form, they do not constitute a binding material specification or warranted values. Values may be affected by the design of the mold/die, the processing conditions and coloring/pigmentation of the product. Unless specified to the contrary, the property values given have been established on standardized test specimens at room temperature.

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