Dimengel - The Heart of GDP

Essential Data

Properties of Dimengel 100 Base Material*

	Method	Metric Units		Imperial Units	
Tensile strength	ISO 527	MPA	50	psi	7250
Elongation at break	ISO 527	%	3	%	3
Modulus of elasticity	ISO 527	MPA	2400	psi	348,000
Flexural strength	ISO 178	MPA	80	psi	12000
Flexural modulus	ISO 178	MPA	2400	psi	348,000
HDT @0.45 MPa	ISO 75/ASTM D 648	°C	51-55	°F	124-131
Izod Notched Impact	ISO 180	KJ/m^2	2.2-2.5	$ft\text{-}lb/inch^2$	1.05-1.19
Shore Hardness (D)	ASTM D2240	Scale D	80-85	Scale D	80-85

Coating and Finishing

Whatever your application, you can achieve an amazing array of effects using a wide variety of coating and finishes:

- SAV - self adhesive vinyl
- Car / body filler
- Polyester
- Epoxy
- Polyuria
- Polyurethane
- Fiberglass

Regulation Compliancy

- Compliant with 1907/2006/EEC Regulation 2006 ("REACH")
- Compliant with Regulation (EC) No 1272/2008 ("CLP")
- Compliant with US The Toxic Substances Control Act (TSCA) regulations
- Does not contain any chemicals listed on California Prop. 65

Fire Resistance

Dimengel prints are compliant with the following fire resistance standards:

- Din 4102 – class B2
- ASTM D635**
- UL 94 HB**

V2May2017

* All measurements were done on lab specimens of cured material
** Internal lab testing