

DEVLON T100

Physical Property	ASTM Test Method	Units	Value
Tensile strength 23°C	D638	MPa	73.9
		psi	10721
Tensile strength -40°	D638	MPa	116.56
		psi	16906
Elongation at 23°C	D638	%	3.66
Elongation at break	D638	%	70
Hardness	D785	Shore D	76/78
		Rockwell R	113
Flexural Strength	D790	MPa	127.48
		psi	18490
Deformation under load 140Kgf/cm ² at 23°C for 24 hours	D621	%	1.0/2.0
Charpy impact strength at 23°C	D256	J/M	63.9
		ftlbs/inch	14.3
Charpy impact strength at -40°C	D256	J/M	20.2
		ftlbs/inch	4.5
Modulus of elasticity	D638	MPa	3798
		psi	550862
Compressive strength	D695	MPa	140
		psi	20305
Compressive yield strength	D695	MPa	88.9
		psi	12894
Linear thermal expansion coefficient 30- 100°C	E831	mm/mm/°C	1.43x10 ⁻⁴
Melt point	D3418	°C	217
Heat distortion temperature °C	D648	66 psi	207
Service Temperature(short term) Service	D570	°C	170
Temperature(long term) Dielectric	D570	°C	100
strength	D149	Kv/mm	>15
Specific gravity	D792	g/cm ³	1.14
Water Absorption 24 hrs	D570	%	0.12
Water Absorption saturation	D570	%	3
Flammability	UL 94	Burn rate	Self- extinguishing

1. Test figures stated are typical values and their aim is to assist the specifier in material selection. They are not intended to represent exact specifications.

2. - Denotes no data available at the time of publication. Please contact James Walker Devol for further information.

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