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Physical Property	ASTM Test Method	Units	Value
Tensile strength 23°C	D638	MPa	60.8
		psi	8818
Tensile strength -40°C	D638	MPa	~
		psi	~
Elongation at 23°C	D638	%	20
Elongation at break	D638	%	200
Hardness	D785	Shore D	77
		Rockwell R	110
Flexural strength	D790	MPa	87.2
		psi	12658
Deformation under load 140Kgf/cm ² at 23°C for 24 hours	D621	%	2.0/3.5
Charpy impact strength at 23°C	D256	J/M	~
		ftlbs/inch	~
Charpy impact strength at -40°C	D256	J/M	~
		ftlbs/inch	~
Modulus of elasticity	D638	MPa	2745
		psi	398253
Compressive strength	D695	MPa	~
		psi	~
Compressive yield strength	D695	MPa	~
		psi	~
Linear thermal expansion coefficient 30-100°C	E831	mm/mm/°C	0.85 x 10⁻⁴
Melt point	D3418	°C	213
Heat distortion temperature °C	D648	264 psi	60
		66 psi	145
Service temperature (short term)	D570	°C	~
Service temperature (long term)	D570	°C	~
Dielectric strength	D149	Kv/mm	>12
Specific gravity	D792	g/cm²	1.14
Water absorption 24 hrs	D570	%	2.9
Water absorption saturation	D570	%	9
Flammability	UL 94	Burn rate	Self- extinguishing

The 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.

~denotes no data available at the time of publication. Please contact Devol for further information.

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