POLIFOR® E11 TR/40

POLIFOR®

Polypropylene, elastomer modified, 40% mineral filled.

Product information

Resin Identification	PP-T40		ISO 1043
Part Marking Code	>PP-T40<		ISO 11469

Rheological properties

Melt mass-flow rate	10	g/10min	ISO 1133
Melt mass-flow rate, Temperature	446	°F	
Melt mass-flow rate, Load	4.76	lb	

Typical mechanical properties

Tensile modulus	421000	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	3500	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	4	%	ISO 527-1/-2
Tensile strain at break, 50mm/min	10	%	ISO 527-1/-2
Flexural modulus	435000	psi	ISO 178
Flexural strength	4930	psi	ISO 178
Charpy impact strength, 23°C	16.6	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	1.43	ftlb/in²	ISO 179/1eA
Izod impact strength, 23°C	1.66	ftlb/in²	ISO 180/1U

Thermal properties

Vicat softening temperature, 50°C/h 50N	154	°F	ISO 306
Coefficient of linear thermal expansion (CLTE), parallel	0.45	E-4/°F	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	0.594	E-4/°F	ISO 11359-1/-2

Flammability

Burning Behav. at 1.5mm nom. thickn.	HB	class	IEC 60695-11-10
Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.1260	in	IEC 60695-11-10

Physical/Other properties

Density	0.0448	lb/in³	ISO 1183

Characteristics

Processing	Injection Molding
Special characteristics	High impact or impact modified

Additional information

Processing Notes

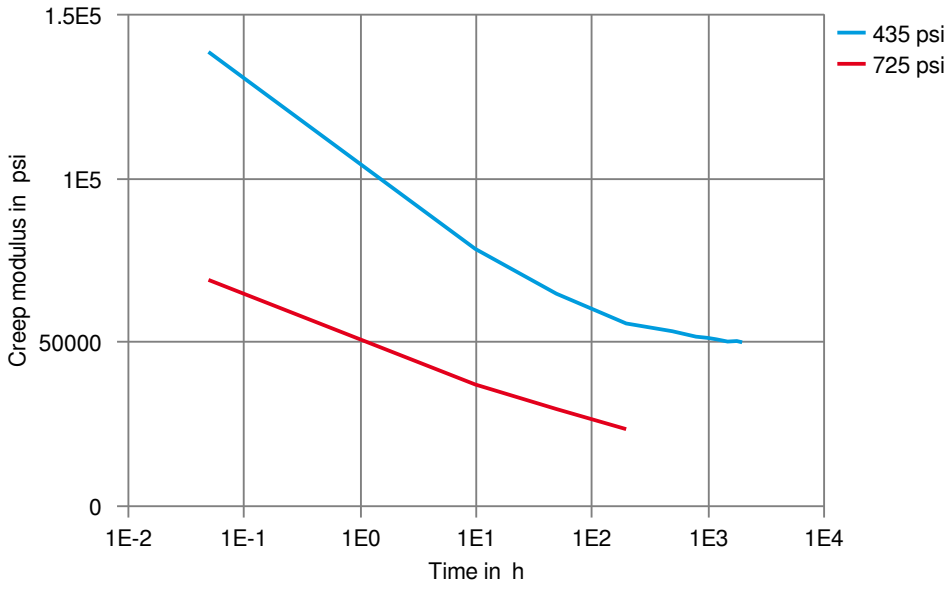
Storage

This product should be stored in a covered facility and kept away from moisture and heat.

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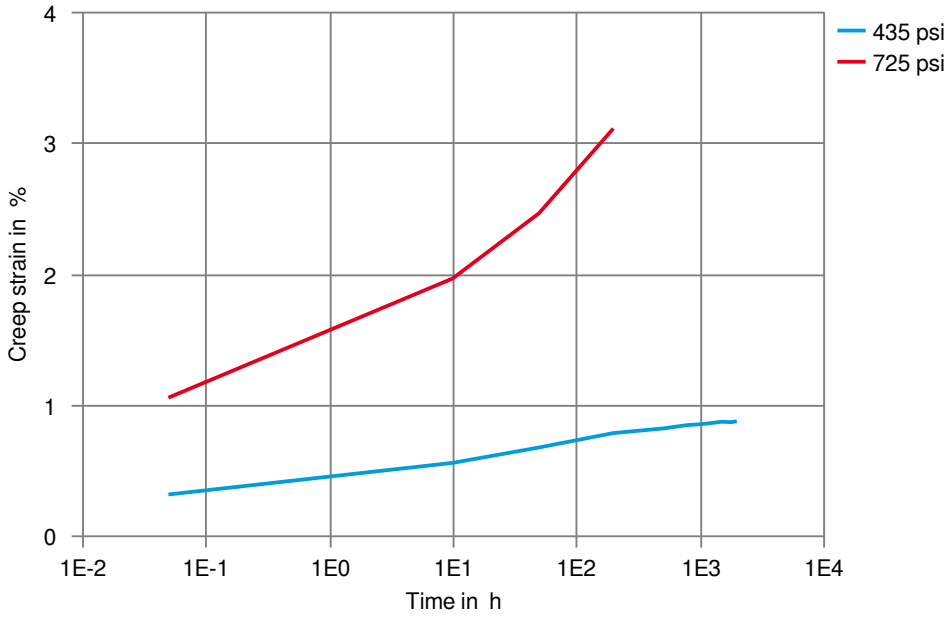
Creep modulus-time 176 °F



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Creep strain-time 176 °F



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