

Polyether – Polyurethane

Water environments

Polyether polyurethane offers excellent performance in dynamic loading, shock absorption, and water environments. This polyurethane falls slightly short of other compounds in abrasion and cut resistance and is available in harnesses from 80°A to 75°D.



Normally, polyether polyurethane is not suited for applications involving solvents or petroleum based oils. This Maximum service temperature is 95°C.

Physical property	Test method	Units	Hardness				
			80	90	95	-	-
Shore Hardness A			80	90	95	-	-
Hardness D (Rockwell D)			-	-	50	60	75
Tensile at 100% Modulus	DIN 53504	MPa	4,9	7,2	15,8	26,5	35,8
Tensile at 300% Modulus	DIN 53504	MPa	7,52	7,6	29,5	46,5	-
Tensile Strength	DIN 53504	MPa	21,6	29,4	45,6	50,2	57,8
Ultimate Elongation	DIN 53504	%	550	450	350	310	230
Resilience	DIN 53512	%	57	50	42	42	-
Compression Set (24 Hours at 70°C)	DIN 53517	%	29	25	32	28	-
Specific Gravity			-	1,08	1,13	1,16	1,2