

PROPERTIES OF ULTRALON SPECIALTY FOAMS

MATERIAL		Buoyancy	Performance Foam						Flexalon Foam			Ultrastop Foam			
PROPERTY	UNIT		PFM30	PFM45	PFM50	PFM65	PFM70	PFM90	FLEX45	FLEX70	FLEX90	US150	US190	US260	US300
HARDNESS	Asker C	14 – 20	18 - 25	23 - 30	26 - 33	29 - 36	31 - 39	51 - 58	9 - 14	13 - 18	19 -24	25 - 30	28 - 33	35 - 40	40 - 45
DENSITY ASTM D3575-20	kg/m ³	30 - 35	28 - 36	40 - 50	45 - 55	62 - 72	66 – 76	85 - 97	42 - 48	65 - 75	85 – 95	130 -170	175 - 215	245 - 280	285 - 320
TENSILE STRENGTH ASTM D3575-20	kPa	>300	>300	>500	>500	>500	>550	>800	>600	>800	>900	>400	>500	>750	>900
ELONGATION AT BREAK ASTM D3575-20	%	>230	>165	>150	>150	>150	>150	>150	>200	>220	>230	>220	>250	>275	>275
COMPRESSION SET* ASTM D3575-20	%	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<18	<16	<12	<12
COMPRESSIVE STRENGTH ASTM D3575-20	kPa	25 - 32	35 – 45	46 - 55	49 - 58	75 - 84	88 - 96	97 - 105	42 - 48	52 - 58	58 - 64	45 - 51	49 - 55	79 - 85	112 - 118
WATER ABSORPTION ASTM D3575-20	g/cm ²	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
THERMAL CONDUCTIVITY ASTM C518	W/mK	0.040	0.040	0.042	0.042	0.043	0.043	0.047	0.044	0.046	0.047	0.044	0.046	0.047	0.048
SERVICE TEMPERATURE	°C	-70/+60	-70/+60	-70/+60	-70/+60	-70/+60	-70/+60	-70/+60	-70/+60	-70/+60	-70/+60	-70/+60	-70/+60	-70/+60	-70/+60

The properties shown above are guideline values and are not to be taken as specifications. Please contact your local Ultralon office for individual product information

* Compression set @ 25% deflection – 22hrs @ 23 °C, 24 hr recovery