

# Polyethylene

Date: 19/01/2021

Reference: 25

Issue: 1

## Chemically Cross Linked Polyethylene

<u>Properties</u>	<u>Test Method</u>	<u>Unit</u>	<u>Value</u>
Density	ISO-845	Kg/m <sup>3</sup>	25
Tensile Strength			
MD	ISO-1798	kPa	291
TD	ISO-1798	kPa	237
Elongation			
MD	ISO-1798	%	100
TD	ISO-1798	%	115
Compressive strength			
Deflection 10%	ISO-844	kPa	20
Deflection 25%	ISO-844	kPa	39
Deflection 50%	ISO-844	kPa	98
Compression set			
0.5 hours	ISO-1856	%	14
24 hours	ISO-1856	%	5.5
Working Temperature Range	Internal	Deg C	-60 / 80
Water Absorption (Max) (Vol)	Internal	%	1
Water Vapour Transmission	ISO-1663	g M2 *24hr	0.97
Thermal Conductivity	ASTM C177	W/mK	
At 10°C			0.039
At 40°C			0.046
Flammability	FMVSS302	mm/min	94

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