

Impact Plus - Technical Data Sheet

Description	Standard	Value	Unit
Density	ISO 845	29	Kg/m ³
Tensile strength MD	ISO 1798	331	kPa
Elongation MD	ISO 1798	103	%
Tensile strength TD	ISO 1798	257	kPa
Elongation TD	ISO 1798	118	%
Compression 10%	ISO 844	21	kPa
Compression 25%	ISO 844	41	kPa
Compression 50%	ISO 844	103	kPa
Comp. set 25% 0.5h	ISO 1856	15.5	%
Comp. set 25% 24h	ISO 1856	7	%
Comp. set 50% 0.5h	ISO 1856	36	%
Comp. set 50% 24h	ISO 1856	26	%
Working temp. range	Internal	-60/90	°C
Thermal conductivity at 10°C	EN 12677	0.038	W/mK
Thermal conductivity at 40°C	EN 12677	0.042	W/mK
Water absorption Vol. (max)	Internal	1	%
Water vapour transmission	ISO 1663	1.2	g/m ² *24h
Shore	ISO 868	50	00

Last Update: May 2016

FR standards: FMVSS302 – Complies, from 8mm thick.

Impact Plus is a closed cell cross-linked polyethylene foam sheet, produced in an extrusion process. Tolerances other than the above may be negotiated. **Dimensional stability 24 hr at 100C < 5%** If holes were created during the foaming process, no more than 5 holes of diameter 2mm per 1m² sheet are acceptable. This information on Impact Plus chemically cross-linked polyethylene foam is presented to the best of our knowledge. Data represents typical values measured on a 10 mm thick specimen and should be considered as a guideline only.