

# Foam comparison table

## ► Technical information

Property Type	XPE	PE	PE-AS	PE-FRAS	Unit
Colour	Black	Dark Grey	Pink	Black	-
Density	30	30	45	45	kg/m <sup>3</sup>
Tensile strength	310	325	350	350	kPa
Tear strength	-	2.5	1.8	1.8	kN/m
Elongation	150	180	150	150	%
Hardness	50 - 60	40 - 50	45 - 60	45 - 60	Shore 00
Compression deflection (10%)	20	54	-	-	kPa
Compression deflection (25%)	45	50	50	50	kPa
Compression deflection (50%)	112	120	-	-	kPa
Compression deflection (75%)	-	-	-	-	kPa
Thermal conductivity	0.036	0.035	0.032	0.032	W/mK
Water absorption	0.002	0.002	0.01	0.01	g/cm <sup>3</sup>
Flammability	PASS	PASS	PASS	PASS	FMVSS302
Fire restardancy	PASS	-	-	PASS	FMVSS302 / UL94 HBF
Operating temperature	-40 to 100	-30 to 80	-30 to 85	-30 to 85	degrees Celcius
UV resistance	excellent	excellent	excellent	excellent	-
Chemical resistance	excellent	excellent	excellent	excellent	-
Surface resistivity	-	-	10 <sup>9</sup> to 10 <sup>10</sup>	10 <sup>9</sup> to 10 <sup>11</sup>	Ohms
EU compliance	RoHS/Reach	-	-	-	-
Shelf life	infinite*	infinite*	infinite*	infinite*	-

### Storage requirements

Store in a clean, dry place. Ensure foam is within working temperature window, and 40 - 50% relative humidity.



## ► Contact us

Protectore  
 P: 1300 702 577 | E: info@protectore.com.au  
 W: protectore.com.au