



# Mousse CAREFOAM

# Technical DATA SHEET

**Polyolefin carefoam PE100**

**Density 100 kg/m<sup>3</sup>**

CAREFOAM<sup>®</sup> is a closed cell, cross-linked polyolefin foam. This data sheet characterizes CAREFOAM<sup>®</sup> PER30 which is available in sheet form and is fabricated by modern techniques and can be thermoformed into shapes..

Property		Test Method		Units	Values
Density - Nominal		ISO 845		kg/m <sup>3</sup>	100
Density Range					85 - 115
Tensile Strength	MD	ISO 1798		kPa	1485
Tensile Strength	TD				
Elongation at Break	MD	ISO 1798		%	128
Elongation at Break	TD				
Compressive Stress					
Deflection	10%	ISO 844	iii	kPa	182
	25%				228
	50%				356
Compression Set	25% 1/2hr	ISO 1856	iv	% (max)	4
	25% 24hr				2
	50% 1/2hr				11,5
	50% 24hr				5,5
Working Temperature Range		Internal		C	-60 +90
Water Absorption 7 days		Internal		% Vol (max)	1
Flammability		MVSS302			PASS
Thermal Conductivity at 10C		ASTM C-177		W/mK	0,06
Shore Hardness A		ASTM D2240		Shore A	35