

**MATERIAL DATA SHEET**

PARAMETER	VALUE
MATERIAL – BUBBLE	SILPLEX (TPE)
RELATIVE DENSITY	1.13G/CM <sup>3</sup>
SHORE HARDNESS	43° SHORE A
TENSILE STRENGTH	6.6MPA
TEAR STRENGTH	23N/MM
COMPRESSION SET (22 HOURS @ 70°C)	34%
WEAR RESISTANCE	320MM <sup>3</sup>
ELONGATION @ BREAK	520%
MATERIAL – RIGID T BASE	POLYPROPYLENE
RELATIVE DENSITY	0.91G/CM <sup>3</sup>
VICAT SOFTENING POINT (B)	154°C
HEAT DEFLECTION TEMPERATURE	91°C
CHARPY NOTCHED IMPACT STRENGTH	50KJ/M <sup>2</sup>
TENSILE STRENGTH	27MPA
FLEXURAL MODULUS (23°C)	1300MPA
COEFFICIENT OF THERMAL EXPANSION	6 X 10-5 /°C
THERMAL CONDUCTIVITY @ 23°C	0.16W/M.K
ELONGATION AT BREAK	20 – 40%

**GENERAL CHARACTERISTICS**

- RESISTANT TO MOST PAINTS AND VARNISHES
- UV & OZONE STABLE
- GOOD ACOUSTIC PROPERTIES
- HIGH PERFORMANCE OVER EXTREME TEMPERATURES
- SUPERIOR AGEING PROPERTIES
- EXCELLENT DEFLECTION RECOVERY

ISSUE 1	DATE 20.03.26	ISSUE	DATE	ISSUE	DATE	ISSUE	DATE	ISSUE	DATE	ISSUE	DATE	ISSUE	DATE
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