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## TECHNICAL DATA SHEET

### MICROLINK XL31

A chemically crosslinkable polyethylene which produces a finished moulding of improved properties with the use of conventional rotational moulding equipment. Properties enhanced include toughness (particularly low-temperature impact performance), environmental stress crack resistance, chemical and temperature resistance. This grade also possesses excellent adhesion properties for use as an internal lining of metallic vessels  
Microlink XL31 is available fully UV stabilised for outdoor use in the most demanding climates. Can be colour matched to your requirements.

### TECHNICAL SPECIFICATION

PHYSICAL PROPERTY	TEST METHOD	UNITS	VALUE
Density	ISO 1183	g/cm <sup>3</sup>	0.940
ESCR (F50)	ASTM D1693	Hours	>1000
Tensile Strength at Break (50 mm/min)	ISO 527	MPa	23
Elongation at Break	ISO 527	%	350
Vicat Softening Point	ISO 306	°C	128
Brittleness Temperature	ASTM D746	°C	< -70
Flexural Modulus	ISO 178	MPa	750
Impact Resistance	Micropol test method, based on ASTM D1709	J/mm	36*

\*Typical values of linear rotational moulding grades are 12 – 20 J/mm

Microlink XL31 is produced using Micropol's long experience of the rotational moulding process to give the powder correct particle size, shape and distribution properties for optimum moulding quality.

***The information given above is typical for the material. It should only be used for the purpose of comparison and does not guarantee performance under end use conditions.***



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