

XYLETHON® CHANGES THE SPEED OF YOUR BUSINESS

Xylethon® represents a dynamic new entry in the industrial plastics arena.

With a smooth, non-stick surface, Xylethon is highly abrasion resistant and actually gets more polished with use. It's the next generation of industrial plastic here today, providing real benefits that will boost your bottom line.

Xylethon delivers:

- **Increased Productivity** – Xylethon's unique surface reduces material movement problems
- **Reduced Maintenance** – Xylethon outlasts the competition by 3 to 5 times
- **Self Lubrication** – Xylethon's surface polishes with use
- **Lowest Operating Cost** – Xylethon runs better for longer, saving you money and downtime
- **Ability to be Welded** – Xylethon can be welded together to create longer sheets

To find out how a simple upgrade to Xylethon can make a significant difference for your business, call 864-766-5420 or email Xylethon@ceramtec.com

www.ceramtec.us

CeramTec
THE CERAMIC EXPERTS

XYLETHON® TECHNICAL INFORMATION

A superior plastimeric for materials handling

Physical Properties of Xylethon

Property	Method	S I Unit	S I Value	English Unit	English Value
Density	ASTM D-792	kg/m ³	970	lbs/ft ³	60.56
Yield Point	ASTM D-638	MPa	18.6	psi	2700
Elongation at Yield	ASTM D-638	%	15		15
Tensile Break	ASTM D-638	MPa	36.4	psi	5280
Elongation at Break	ASTM D-638	%	300	%	300
Tensile Modulus	ASTM D-638	MPa	702.8	psi	101900
Flexural Modulus	ASTM D-790	MPa	586.2	psi	85000
Izod Impact	ASTM D-4020	kJ/m ²	50	ft-lbs/in ²	24
Tensile Impact	DIN 53448	kJ/m ²	720	ft-lbs/in ²	
Sand Slurry	Internal	1018 steel=100	7	1018 steel=100	7
Hardness	ASTM D-2240	Type D	70	Type D	70
Dynamic Friction	ASTM D-1894	Unitless	.08 - .1	Unitless	.08 - .1
Max. Operating Temp. (application dependent)	ASTM D-3417	°C	82	°F	180
Volume Resistivity	ASTM D-257	Ohm-cm	>10 ¹⁵	Ohm-cm	>10 ¹⁵
Surface Resistivity	ASTM D-257	Ohm	>10 ¹⁵	Ohm	>10 ¹⁵
Water Absorption	ASTM D-570	%	nil	%	nil

Abrasion Test: Sand/water ratio 4:3; 1750 RPM for 7 hours

Material	Weight loss %	Abrasion index*
Xylethon	0.125%	5.8
Industry leading premium UHMW	0.229%	10.6

