



Ethylglyde



Product Specifications

PLASTIC TRADING INTERNATIONAL

1-863-688-1983

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Lakeland, FL 33811

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Item	Measurement	Unit	UHMWP	PA66	PVC	PE	Steel Tube
Density	D-1505	g/cm ³	0.93	1.13-1.15	14	0.945	7.8
water absorption rate	D-570	%	<0.01	1.5	0.07-0.4	<0.01	
Melting Point	D-2117	degrees celsius	136	255	160	129	
thermal deformation temperat	D-658	degrees celsius	85	182-224	54-73	71	
coefficient of linear expansion	D-696	10 ⁻⁴ /C	1.5	0.8		1.2	
breaking strength	D-638	Mpa	39.2	61	40	35	
tensile yield strength	D-638	MPa	22			22	
tensile elongation	D-638	%	400	60-300	60-120	250	
notched izod impact strength 2	D-256	J/cm	constant	0.59-1.08	<1.0	2.7	
rockwell hardness	D-747		40	85-120		55	
frictional coefficient			0.07-0.11	0.37	.4-0.6	0.4	0.58
abration ratio			21	100	210	210	100
scale formation			not easy		easy		easy
resistance to corrosion			excellent	good	excellent	good	poor
low temp. impact strength	negative 40 degrees C	J/cm	150	<1	<0.5	5	
application of anti environmental cracking			>4000			2000	