

# LION CHEMTECH CO., LTD.

36, Daedeok-Daero 1277, Beon-Gil, Daedeok-Gu, Daejeon, 34303, Korea

■ Tel : +82-42-930-3300 / ■ Fax : +82-42-930-3344

## CERTIFICATE OF PROPERTY

Property	Unit	Typical Value	Test Method
Specific Gravity		1.749	ASTM D-792-13
Water Absortion	%	0.03	ASTM D570-98
Hardness - Rockwell M Scale		90	ASTM D785-08
Hardness - Bacol Impressor		63	ASTM D2583
Tensile Strength	Mpa	31.6	ASTM D638-14
Tensil Modules of Elasticity	Gpa	9.93	ASTM D638-14
Elongation at Break Point	%	0.73	ASTM D638
Flexural Strength	Mpa	62.8	ASTM D790-10
Flexural Modules of Elasticity	GPa	10.0	ASTM D790-10
Izod Impact Strength	J/m	16	ASTM D256-10
Deflection Temperature Under Load (1.82 Mpa)	'C	96	ASTM D648-07
Ball Impact Resistance		>95	NEMA LD3
Carbon Arc Exposure(1000 Hours) - Blisters - Crazing - Color Change - Cracking - Dulling		No Effect No Effect Moderate Effect No Effect No Effect	ASTM D 1499-99
Light Resistance/Color Stability(1000 Hours) - Blisters - Crazing - Color Change - Cracking - Dulling		No Effect No Effect Slight Effect No Effect Moderate Effect	NEMA LD3
Boiling Water Resistance - Blisters - Crazing - Color Change - Cracking - Dulling		No Effect No Effect No Effect No Effect No Effect	NEMA LD3
High Temperature Resistance - Blisters - Crazing - Color Change - Cracking - Dulling		Moderate Effect No Effect No Effect No Effect Slight Effect	NEMA LD3
Stain Resistance		Pass	IAPMO/ANSI124.1.2
Fungus Resistance		Rating-0 (No trace of growth)	ASTM D-21
Europe			
Reaction to Fire (Classification standard in accordance with EN 13501-1+A1)	Class	B-s1,d0	EN ISO11925-2 and EN 13823
Reaction to Fire	Class	B1	DIN 4102-1,16
Reaction to Fire	Class	0	BS 476 Part 6 1989 BS 476 Part 7 1997
North America			
Classification	Class	A	ASTM E-84
- Flame Spread Index( FSI )		20	ANSI UL 723 (ASTM E84)
- Smoke Develop Indec( SDI )		5	ANSI UL723 (ASTM E84)