

Table 1 - Classification of service conditions by ISO 10508 : 2006

※ LG Chem. Lucene SP988 (PE-RT TypeII) & SP980 (PE-RT Type I)

Application class	T _D (design temp.)		T _{max} (maximum design temp.)		T _{mal} (malfunction temp.)		Typical field of application	PE-RT TypeII SP988	PE-RT Type I SP980
	°C	Time (years)	°C	Time (years)	°C	Time (hours)		Design stress [Unit : MPa]	
1	60	49	80	1	95	100	Hot water supply (60°C)	3.90	3.53
2	70	49	80	1	95	100	Hot water supply (70°C)	3.69	3.32
4	20 40 60	2.5 20 25	70	2.5	100	100	Under-floor heating and low temperature radiators	3.82	3.49
5	20 60 80	14 25 10	90	1	100	100	High temperature radiators	3.21	2.88