

PLS poly(L-serine)

PARAMETER	UNIT	VALUE	REFERENCES
GENERAL			
Common name	-	poly(L-serine)	
Acronym	-	PSL	
CAS number	-	25821-52-7	
SYNTHESIS			
Method of synthesis	-	electropolymerization; ring-opening polymerization	Chitravathi, S; Swamy, B E K; Mamatha, G P; Sherigara, J. Mol. Liq., 160, 193-9, 2011.
Mass average molecular weight, M_w	dalton, g/mol, amu	3,000-10,000	
Polymerization degree (number of monomer units)	-	20-100	
STRUCTURE			
Crystallinity	%	15	Gupta, A; Tandon, P; Gupta, V D; Rastogi, S, Polymer, 38, 10, 2389-97, 1997.
PHYSICAL PROPERTIES			
Specific heat capacity	J K ⁻¹ kg ⁻¹	959	