

**TECHNICAL DATA SHEET**

Product	Poly-butylene-succinate
Chemical Name	PBS
CAS	25777-14-4
MF	HO-(CO-(CH <sub>2</sub> ) <sub>2</sub> -CO-O-(CH <sub>2</sub> ) <sub>4</sub> -O) n-H
MW	516.536

**SPECIFICATION :**

Item	MFR (190°C,2160g)/g/10min	Density/ g/cm <sup>3</sup>	Carboxyl End Groups /Mol/m <sup>3</sup>	Moisture/ %	Melt Point/ °C	Hundred-grain Weight /g/100 grain	Shore Hardness /(D/15)	Tensile Strength/ MPa	Elongation/%	HDT B/Tff0.45 /°C	Flexural Strength/ MPa	Flexural Modulus/ MPa	Izod Impact Strength/ KJ/m <sup>2</sup>
JL10-16	10-16	1.27	15-20	≤0.05	114	1.6	68	41	290	87	35	610	6
JL25-30	25-30	1.27	15-20	≤0.05	114	1.6	68	41	290	87	35	610	6
JL4-8	4-8	1.27	15-20	≤0.05	114	1.6	70	43	280	89	36	620	6
JL16-20	16-20	1.27	15-20	≤0.05	114	1.6	68	39	290	87	35	610	6

**Application:**

- 1.JL10-16: Injection Molding ;Paper coating;Extrusion;Textile;Fishing net
- 2.JL25-30: Injection Molding
- 3.JL4-8: Film;Paper coating;Thermoforming
- 4.JL16-20: Injection Molding ;Extrusion coating

**Packaging :**

- 25kg aluminum bag, each 20' container can load 17mt  
800kg aluminum big bag, each 20' container can load 16mt.

**Storage**

Temperatures during transportation and storage should not exceed 40 ° C. Keep resin in dry and ventilated warehouse to prevent moisture. Avoid contacting with soil, water and sludge, and no exposure to direct sunlight and extreme temperature.The maximum shelf life is 2 years in ambient temperature of 23° C if the package has been tightly sealed.



## **Drying**

It is recommended to pre-dry the material prior to getting the best processing performance. If the moisture of the resin is less than 0.05% pre-drying may not be needed. Typical drying conditions: 4-6 hours at 80° C (175° F).

Unilong Industry