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Technical Data Sheet

## SKYPEL LX780A (Trial-1)

### DESCRIPTION

SKYPEL LX780A is a thermoplastic polyester elastomer resin with 80A hardness based on shore A scale. It is widely used for injection molding and extrusion applications.

### Physical properties

Properties	ASTM No	Units	LX780A (Trial-1)
Aesthetics	-	-	Low tack & Silky feel
Hardness - Max - 15s	D2240	Shore A	80 80 79
Specific gravity	D792	-	1.06
Water absorption, 24hr	D570	%	0.9
Mold shrinkage	D955	%	0.7
Tensile Stress at 5% Strain <sup>1)</sup>	D638	kgf/cm <sup>2</sup>	6
Tensile Stress at 10% Strain <sup>1)</sup>	D638	kgf/cm <sup>2</sup>	11
Tensile Stress at 100% Strain <sup>1)</sup>	D638	kgf/cm <sup>2</sup>	35
Tensile Stress at Break <sup>1)</sup>	D638	kgf/cm <sup>2</sup>	280
Elongation at Break <sup>1)</sup>	D638	%	1500
Tear strength <sup>2)</sup>	D1004	kN/m	84
Compression set, 22hr, 70°C	D395	%	57
Melting Point <sup>3)</sup>	D3418	°C	192
Melt Flow Rate Temperature, °C / 2.16kg	D1238	g/10min °C	25 220

1) ASTM Type IV dumbbells diecut from injection molded slab 2mm thick. Crosshead speed 50mm/min

2) Specimens 2mm thick. Crosshead speed 51mm/min

3) Differential Scanning Calorimeter (DSC), peak of endotherm. Heating rate 10°C/min.

### General purpose processing condition

	Injection			Extrusion		
	Cylinder	Rear Center Front	°C	Cylinder	Rear Center Front	°C
			205			195
			210			210
			215			210
	Nozzle		220	Die		210
	Mold		35	Melt		215

All data reported here are believed to be correct. However, this should not be accepted as a guarantee of their accuracy.