CONFIDENTIAL

SKYPEL

Engineering Thermoplastic Polyester Elastomer

Version: SK-171127
Date Updated: 2017-11-27

Technical Data Sheet

SKYPEL LX770A

DESCRIPTION

SKYPEL LX770A is a thermoplastic polyester elastomer resin with a medium 71A hardness based on shore A scale. It has excellent tensile strength and low temperature flexibility. It may be used such as seals, gaskets, polymeric material for blends with other polymers.

Physical properties

Properties	ASTM No	Units	LX770A
Hardness (15s)	D2240	Shore A	71
Tensile Stress at 100% Strain[1)]	D638	kgf/cm^2	25
Tensile Stress at 300% Strain[1)]	D638	kgf/cm^2	35
Tensile Stress at Break[1)]	D638	kgf/cm^2	200
Elongation at Break[1)]	D638	%	> 1500
Tear strength[2)]	D1004	kN/m	70
Melting Point [3)]	D3418	^{o}C	170
Melt Flow Rate Temperature, ^{o}C / 2.16kg	D1238	g/10min ^{o}C	33 200

1) ASTM Type IV dumbbells diecut from injection molded slab 2mm thick. Crosshead speed 500mm/min
2) Specimens 2mm thick. Crosshead speed 51mm/min
3) Differential Scanning Calorimeter (DSC), peak of endotherm. Heating rate 10^{o}C/min.

General purpose processing condition

Injection	Cylinder Rear Center Front Nozzle Mold	℃	180 190 200 205 23	Extrusion	Cylinder Rear Center Front Die Melt	℃	180 190 200 205 210

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