

SKYPEL® LX770A

SK Chemicals - Thermoplastic Polyester Elastomer

General Information

Product 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.

General

Features	• High Tensile Strength	• Low Temperature Flexibility	
Uses	• Blending	• Gaskets	• Seals
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/2.16 kg)	33	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²			ASTM D638
100% Strain, 0.0787 in, Injection Molded	356	psi	
300% Strain, 0.0787 in, Injection Molded	498	psi	
Tensile Strength ² (Break, 0.0787 in, Injection Molded)	2840	psi	ASTM D638
Tensile Elongation ²			ASTM D638
Break, 0.0787 in, Injection Molded	> 1500	%	
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³ (0.0787 in)	400	lbf/in	ASTM D624
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	71		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Peak Crystallization Temperature (DSC) ⁴	338	°F	ASTM D3418

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	356	°F
Middle Temperature	374	°F
Front Temperature	392	°F
Nozzle Temperature	401	°F
Mold Temperature	73	°F
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	356	°F
Cylinder Zone 3 Temp.	374	°F
Cylinder Zone 5 Temp.	392	°F
Melt Temperature	410	°F
Die Temperature	401	°F