

AuroraFlex™ EL 8078NL

Aurora Material Solutions, LLC - *Styrene Ethylene Butylene Styrene Block Copolymer*

General Information

Product Description

EL 8078NL is a SEBS compound formulated for applications that require rubber-like properties and a scratch and mark resistant surface finish. EL 8078NL is well suited for consumer goods and industrial applications requiring U.V. stability. EL 8078NL can be over molded to polypropylene.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Scratch Resistance	• UV Stabilized	
Uses	• Consumer Applications	• Industrial Applications	• Overmolding
Processing Method	• Extrusion	• Injection Molding	

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.02		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	600	psi	ASTM D412
Tensile Strength	1030	psi	ASTM D412
Tensile Elongation (Break)	550	%	ASTM D412
Tear Strength	185	lbf/in	ASTM D624
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	78		ASTM D2240

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	351 to 379	°F
Front Temperature	360 to 390	°F
Nozzle Temperature	370 to 399	°F
Mold Temperature	70 to 100	°F
Injection Rate	Moderate-Fast	
Back Pressure	50.0 to 99.9	psi
Screw Compression Ratio	2.5:1.0 to 3.0:1.0	

Notes

¹ Typical properties: these are not to be construed as specifications.

