

# Starex WR-9750H

Lotte Chemical Corporation - Acrylonitrile Styrene Acrylate

## General Information

### General

Uses • Automotive Applications • Construction Applications

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity (Natural)	1.07		ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.126 in)	4.0E-3 to 7.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	5690	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	75	%	ASTM D638
Flexural Modulus <sup>3</sup>	247000	psi	ASTM D790
Flexural Strength <sup>3</sup>	7540	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	9.2	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	91		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed, 0.252 in	203	°F	ASTM D648
Vicat Softening Temperature	203	°F	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature		
Desiccant Dryer	176	°F
Hot Air Dryer	176 to 194	°F
Drying Time		
Desiccant Dryer	2.0 to 3.0	hr
Hot Air Dryer	2.0 to 4.0	hr
Suggested Max Moisture	< 0.050	%
Rear Temperature	356 to 374	°F
Middle Temperature	392 to 410	°F
Front Temperature	428 to 446	°F
Nozzle Temperature	464	°F
Mold Temperature	104 to 176	°F
Injection Pressure	7110 to 35600	psi
Back Pressure	71.1 to 284	psi
Screw Speed	50 to 150	rpm

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### Injection Notes

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Hot Runner Temperature: 240°C

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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<sup>2</sup> 0.20 in/min

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<sup>3</sup> 0.11 in/min