

LOTTMER HS-050AB

Thermoplastic Elastomer

Lotte Chemical Corporation

Message:

HS-050AB is a fully-crosslinked thermoplastic elastomer(TPE) product.

TPEs can be easily processed with general thermoplastic processing equipments.

It has low compression set, good weatherability and excellent resistance to high temperature, chemicals, and ozone.

Flexible PVC, rubbers (CR, NBR, EPDM etc.) can be replaced with TPE.

General Information	
Features	Good Chemical Resistance
	Good Processability
	Good Weather Resistance
	High Heat Resistance
	Low Compression Set
	Ozone Resistant
Uses	Flexible Grips
	Gaskets

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	51		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.77	MPa	ASTM D412
Tensile Strength (Break)	4.41	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Tear Strength	19.6	kN/m	ASTM D624
Compression Set (70°C, 72 hr)	8.0	%	ASTM D395
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-40°C)	No Break		ASTM D256

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