LOTTE CHEMICAL

LOTTMER® HS-050AB

Thermoplastic Elastomer

General Information

Description

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.

Appilcations

- Grip, Door Gasket, etc.

Physical Properties[1]

Physical	Test Method	Nominal Value			
Density	ISO 1183	0.95	g/cm^3		
Hardness	ISO 868	51	Shore A		
Mechanical					
Tensile Stress (Break)	ISO 37	45	kgf/cm^2	4.4	MPa
Elongation (Break)	ISO 37	400	%		
100% Modulus	ISO 37	18	kgf/cm^2	1.8	MPa
Tear Stress	ISO 34	20	kgf/cm	20	kN/m
IZOD Impact Strengh (-40℃)	ISO 180	N.B.	kg·cm/cm		

Processing Information

Recommended Drying Condition	Drying at 80℃ over 2hours
Recommended Processing Condition	160~200℃

Notes

ISO 9001, 14001, /TS 16949

[1] Physical Properties : these are not to be construed as specifications.