

LOTTMER HS-040DB

Thermoplastic Elastomer
Lotte Chemical Corporation

Message:

HS-040DB 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	Protective Coverings		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	9.81	MPa	ASTM D412
Tensile Strength (Break)	16.7	MPa	ASTM D412
Tensile Elongation (Break)	550	%	ASTM D412
Tear Strength	89.2	kN/m	ASTM D624
Compression Set (70°C, 72 hr)	45	%	ASTM D395
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-40°C)	No Break		ASTM D256

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