| LOTTE CHEMICAL | Physical Properties | Date | 2013. 05. 27 |
|---|---|---|---|
| | | LOTTE CHEMICAL RESEARCH INSTITUTE 115 Gajeong-book St. Yusung, Dajeon TEL) 042-879-1430,1430 | |

# HX-145DB

LOTTMER

## General Information

### Description

HX-145DB 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.

### Applications

- Air Bag Cover etc.

## Physical Properties[1]

| Physical | Test Method | Nominal Value | | | |
|---|---|---|---|---|---|
| Density | ASTM D792 | 0.94 | g/cm$^3$ | | |
| Hardness | ASTM D2240 | 45 | Shore D | | |
| Mechanical | | | | | |
| Tensile Stress (Break) | ASTM D412 | 180 | kgf/cm$^2$ | 17.6 | MPa |
| Elongation (Break) | ASTM D412 | 600 | % | 600 | % |
| 100% Modulus | ASTM D412 | 115 | kgf/cm$^2$ | 11.3 | MPa |
| Tear Stress | ASTM D624 | 95 | kgf/cm | 93 | kN/m |
| IZOD Impact Strengh (-40℃) | ASTM D256 | N.B. | kg·cm/cm | N.B. | J/m |
| Compression Set (70℃, 72hours) | ASTM D395 | 75 | % | | |

## Note

ISO 9001, 14001, /TS 16949

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



※ 본 문서는 "롯데케미칼" 보안문서로 무단 복사/반출을 금지합니다.