

Cross-Linked

Polypropylene Foam - IXPP

CODI Mexico specializes in commercialization and distribution of high-performance cross-linked polyethylene foam. Our products are unique position to offer chemically cross-linked, irradiated, micro-cellular cross linked, and laminate cross-linked polyethylene foam. Ours Brands are the preferred choice for applications that require die cutting, lamination, welding, thermoforming, and others, due to the foam`s superior consistency.

Product Introduction

Irradiation cross-linked Polypropylene (XPP) foam is a kind of high-performance closed cell foaming material which is made of polypropylene and various fillers, additives and foaming agents' various material. The production process includes granulation, extrusion, electron irradiation, cross linking, and high temperature foaming. It can be widely used in automotive interior, aerospace, ship machinery, leisure, and other industries. Good thermal deformation behavior, limit temperature to 140 DEG C. High temperature resistant performance, and low thermal shrinking rate; Low odor than PE foam and other foam material.

Product Range

- Ratio: 5~25 times
- Width: 500~1500MM
- Thickness: 1~6MM (single layer), thermal compound 6~100MM (multilayer)
- Color: skin tone, black or color customized

Product Features

- Thermal insulation- Thermal conductivity
- (<0.036w/m. k)
- Sound insulation
- Waterproof
- Shock absorption
- Thermal forming

Technical Parameters Cross-Linked Polypropylene Foam*

Ratio	Width/mm	Thickness/mm	Density Kg/m ³	Tensile Strength		Tensile Elongation		Compression Stress/Kpa
				crosswise/Mpa	lengthwise/Mpa	Crosswise / %	Lengthwise/ %	
7 B	100-1000	2~4	140±20	250	300	1.8	2.4	270
10 B	100-1000	1.5~5	100±15	250	300	1.4	2.0	200
15 B	100-1200	1.5~5	66±7	250	250	0.9	1.4	120
20 B	100-1400	2~6	50±6	200	250	0.6	0.9	80
25 B	100-1400	2~6	40±5	200	200	0.5	0.6	50

*Testing done according to ASTM D3575 & ASTM C177 (thermal conductivity) standards. Test methods available upon request. All data is typical and not to be considered specification values. CODI MEXICO cannot predict or control the different conditions under which this information and our products may be applied. Therefore, we do not guarantee the applicability or the suitability of our foam nor the accuracy of this information. There is no warranty either expressed or implied on our products. Buyer assumes all responsibility for loss or damage arising from the use of our products, whether done accordance with direction or not. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Users of our products should perform testing to determine their efficiency and suitability prior to use.