ENGINEERING DATA SHEET

DSM 3.8.6

HLB22 Polyether Polyurethane Foam

General:

HLB22 is a flexible polyether polyurethane foam designed for protective packaging and insulation applications. It offers good flexibility, tensile strength and elongation characteristics, with physical properties tested in accordance with relevant industry standards.

This is a standard material for convoluted (or profile) foam due to the combination of its low weight with an unusually high load- bearing firmness, allowing the convoluted foam peaks to support heavy objects without collapsing.

Advantages:

- Flexibility and cushioning
- Durability and resilience
- Versatility

Limitations:

- Compression set
- Environmental sensitivity
- Lack of recyclability and fire resistance

Properties:

These values are representative. For critical applications, refer to datasheet.

MECHANICAL PROPERTIES			
Basic Properties	**Value**	**Test Method**	**Unit**
Nominal Tensile Strength	110 min.	BS4443	KPa
Nominal Piece Density Range	20-24	BS4443	Kg/m^3
Nominal Elongation at Break	100 min.	BS4443	%
Nominal Hardness Range	45-60	ASTM D3574-81 Test B1	lb (force @ 25% compression)

Alternatives:

Alternative materials are allowed only with the express written permission of ASMPT. Please email details of your request to engineering_enquiries@asmpt.com