Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

Rigidex® E5018

Product Technical Information

Rigidex® E5018 is a high-density polyethylene copolymer suitable for the extrusion of non-pressure Pipes.

Benefits & Features

Rigidex® E5018 is a natural HDPE with broad molecular weight distribution

Applications

- Non-pressure pipes
- Corrugated pipes, conduits

Properties	Conditions	Test Methods	Values	Units
Physical				
Density	23°C	ISO 1183-1	950	kg/m³
Melt Flow Rate	190°C/5kg	ISO 1133-1	0.9	g/10min
Mechanical*				
Tensile Strength at Yield	23°C, 50mm/min	ISO 527-2	>19	MPa
Tensile strain at Break	23°C, 50 mm/min	ISO 527-2	>350	%
Tensile Modulus	23°C, 1 mm/min	ISO 527-2	>800	MPa

Data should not be used for specification work

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Rigidex® E5018

Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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