

A4040

POLYETHYLENE COPOLYMER

TECHNICAL DATASHEET

Product Description

A4040 is an HDPE grade specifically designed as the base resin for the production of cross-linked pipes by the silane (PEX-b) process.

Typical Properties¹

Property	English Units	SI Units	ASTM Method
Resin			
Density		0.947 g/cc	D4883
Melt Index (190°C/2.16 kg)		4.1 g/10 min	D1238
Compression Molded Specimens			
Tensile Stress @ Yield	3,600 psi	25 MPa	D638
Tensile Elongation @ Break	>1,000 %	>1,200 %	D638
Flexural Modulus, 2% Secant Method	125,000 psi	860 MPa	D790A
Vicat Softening Point	254 °F	123 °C	D1525
Deflection Temperature @ 66 psi (455 kPa)	157 °F	69 °C	D648
Brittleness Temperature	<-103 °F	<-75 °C	D746

¹ Typical property values will vary and are not to be used as specification limits

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Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, please refer to the Regulatory Position Statement (RPS) online at www.ineos-op.com, or call + 1-800-527-5419.

Health and Safety Information

The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The Safety Data Sheet (SDS) contains the available product health and safety information for this material and can be found at www.ineos-op.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

The Safety Data Sheet for this product contains shipping descriptions and should be consulted, before transportation, as a reference in determining the proper shipping description. If the material shipped by INEOS O&P is altered or modified, different shipping descriptions may apply and the SDS of the original material should not be used.

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