

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