

TC46-25-236

POLYETHYLENE COPOLYMER

TECHNICAL DATASHEET

Product Description

TC46-25-236 is a natural HDPE grade designed specifically for extrusion of thin profiles and tubes, such as Drip Irrigation Tape. TC46-25-236 offers an optimized property balance that delivers excellent toughness and crush strength without compromising processability.

Typical Properties¹

Property	English Units	SI Units	ASTM Method
Resin Properties			
Density		0.948 g/cc	D4883
Melt Index (190°C/2.16 kg)		0.30 g/10 min	D1238
Melt Index (190°C/21.6 kg)		24.0 g/10 min	D1238
Compression Molded Specimen Test			
Tensile Strength @ Yield	3,400 psi	23 MPa	D638
Tensile Elongation @ Break	>600 %	>600 %	D638
Flexural Modulus, 2% Secant Method	130,000 psi	897 MPa	D790A
Notched Izod Impact Strength	3.6 ft-lb _i /in	190 J/m	D256
Hardness, Shore D	68	68	D2240
Vicat Softening Point	255 °F	124 °C	D1525
Deflection Temperature @ 66 psi (455 kPa)	156 °F	59 °C	D648
Brittleness Temperature	<-180 °F	<-118 °C	D746

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