



POLESTAR POLYMERS

An ISO 9001 : 2015 Certified Company

POLESTAR® HDPE

Technical Data Sheet - Sheets

Properties	Test Method	Unit	Value
Density at 23°C	ASTM D 1505	g / cm ³	0.95
Hardness	ASTM D 2240	Shore D	65
Tensile Strength at Yield	ASTM D 638	MPa	21
Tensile Strength at Break	ASTM D 638	MPa	35
Elongation at Break	ASTM D 638	%	>1000
Flexural Modulus	ASTM D 790	MPa	850
Izod Impact Strength (Notched, 23°C)	ASTM D 256	J/m	>500
Vicat Softening Point	ASTM D 1525	°C	150
DSC Melting Temperature	ASTM D 2117	°C	131

Note: The information contained herein are typical values intended for reference and comparison purposes only. They should not be used as a basis for design specifications or quality control. POLESTAR POLYMERS will not provide any legally binding guarantee of certain properties or any suitability.