

March 3, 2023

Technical Data Sheet

HDPE 20M NATURAL PELLETS

Nominal Physical Properties ⁽¹⁾	English	SI	Method
Density	---	0.952 g/cm ³	ASTM D1505
Flow Rate (MI, 190 °C/2.16 kg)	---	20.0 g/10 min	ASTM D1238
Tensile Strength at Yield, 2 in/min, Type IV bar	3,900 psi	27 MPa	ASTM D638
Elongation at Break, 2 in/min, Type IV bar	300 %	300 %	ASTM D638
Flexural Modulus, Tangent - 16:1 span:depth, 0.5 in/min	175,000 psi	1,200 MPa	ASTM D790
ESCR, Condition B (100 % Igepal), F ₅₀	< 10 h	< 10 h	ASTM D1693
Durometer Hardness, Type D (Shore D)	63	63	ASTM D2240
Vicat Softening Temperature, Loading 1, Rate A	252 °F	122 °C	ASTM D1525
Brittleness Temperature, Type A, Type I specimen	< -103 °F	< -75 °C	ASTM D748

1. The nominal properties reported herein are typical of the product, but do not reflect normal testing variance and therefore should not be used for specification purposes. Values are rounded. The physical properties were determined on compression molded specimens that were prepared in accordance with Procedure C of ASTM D4703, Annex A1.

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