

Description

HDPE 7194: Medium molecular weight, narrow molecular weight distribution, designed for high speed orientation.

Applications: Monofilament, slit tape, woven and knitted fabrics, specialty films.

Characteristics

	Method	Unit	Typical Value
Rheological Properties⁽¹⁾			
Melt Flow Index	D-1238	g/10 min	
190°C/2.16 kg			0.55
190°C/5 kg			1.9
Mechanical Properties⁽¹⁾⁽²⁾			
Tensile Strength @ Yield	D-638, Type IV specimen, 2 in/min	psi	3200
Elongation at Break	D-638, Type IV specimen, 2 in/min	%	>500
Secant Modulus of Elasticity @ 2% strain	D-638, Type IV specimen, 2 in/min	psi	100,000
Flexural Modulus	D-790	psi	115,000
Thermal Properties⁽¹⁾			
Melting Point	D-3417	°F	257
Other Physical Properties			
Density	D-792	g/cm ³	0.946

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

(2) The data listed was determined on compression molded specimens and may, therefore, deviate from molded and extruded specimens.