

ESTADIENE 1640 AS

Standard

Measurement
unit

1640 AS

PHYSICAL PROPERTIES

MELT FLOW INDEX 220°C - 10 kg.	ASTM D 1238	g./10'	40
MELT FLOW INDEX 260°C - 5 kg.	ASTM D 1238	g./10'	-
DENSITY	ASTM D 792	g./cc	1,05
LINEAR SHRINKAGE	ASTM D 955	%	da 0,4 a 0,7

MECHANICAL PROPERTIES

TENSILE YIELD STRENGTH	ASTM D 638	MPa	44
TENSILE BREAK STRENGTH	ASTM D 638	MPa	39
ELONGATION AT YIELD	ASTM D 638	%	18
FLEXURAL MODULUS	ASTM D 790	MPa	2600
NOTCHED IZOD IMPACT STRENGTH (23°C)	ASTM D 256	J/m	160
NOTCHED IZOD IMPACT STRENGTH (0°C)	ASTM D 256	J/m	130

THERMAL PROPERTIES

VICAT SOFTENING POINT (9,8 N)	ASTM D 1525	°C	102
VICAT SOFTENING POINT (49 N)	ASTM D 1525	°C	94
BALL PRESSURE TEST	IEC 335-1	°C	-

FLAME RESISTANCE

ACCORDING TO UL 94 TESTS THICKNESS 3,2 mm	-	CLASS	HB
ACCORDING TO UL 94 TESTS THICKNESS 1,6 mm	-	CLASS	HB
GLOW WIRE TESTS THICKNESS 2 mm	I.E.C. 695-2-1	°C	650