

	TYPICAL DATA SHEET*	ISSUE DATE	Feb-2022
	POLYETHYLENE	WWW.TPCO.IR	
	HD4005EA	IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

HD4005EA is high density polyethylene copolymer containing butene-1(C4) as co monomer. It is suitable for use as pipe coating applications. HD4005EA has the following characteristics: good impact strength and chemical resistance, high ESCR. Applications: pipe coating applications.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (190°C 2.16KG)	g/10min	ASTM D-1238	0.5
DENSITY	gr/cm3	ASTM D-1505	0.940
TENSILE STRESS AT YEILD	MPA	ASTM D-638	17
TENSILE STRESS AT BREAK	MPA	ASTM D-638	26
ELONGATION AT BREAK	%	ASTM D-638	600
O.I.T.	MIN	ASTM D-3895	45
HARDNESS	-	ASTM D-2240	55
MELTING POINT	°C	ASTM D-1525	125
ESCR (IGEPAL 10%, F20)	HR	ASTM D-1693-A	>1000
CHARPY IMPACT STRENGTH	KJ/M2	ASTM D-6110	NOT BREAK
VICAT SOFTENING POINT	°C	ASTM D-1525	115

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S (Standard Sales Specifications).

Grade Suffix (Additive Indication) EA: GENERAL ANTIOXIDANT