

	TYPICAL DATA SHEET*	ISSUE DATE	9/MAR/2023
	POLYPROPYLENE	WWW.TPCO.IR	
	PPH-ED-003	IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

PPH-ED-003 is homopolymer grade with isotactic degree around 94% in form of powder without stabilizers. This grade has high molecular weight and outstanding mechanical properties.

APPLICATION:

High heat and chemical resistance. Pipes, strapping, thick sheets applications.

PROPERTIES	UNIT	TEST METHOD	VALUE
MFI (@230°C & 2.16KG)	GR/10MIN	ISO1133	0.3
ANNEALED DENSITY	GR/CM3	ASTM D1505	0.9
ISOTACTIC DEGREE	%	ISO 9113	>=94
ASH CONTENT	PPM(WT)	ISO 3451-1	<=350
CHLORINE CONTENT	PPM(WT)	ENCO METHOD	<=100
VOLATILE CONTENT	%WT	ENCO METHOD	<=0.2
BULK DENSITY	GR/CM3	ASTM D1895	0.43
TENSILE STRENGTH AT YEILD(50mm/min)	MPA	ISO 527	31.5
ELONGATION AT YEILD(50mm/min)	%	ISO 527	10
FLEXURAL MODULUS	MPA	ISO 178	1400
NOTCHED IZOD IMPACT(@23°C)	KJ/M2	ISO 180/1A	10
ROCKWELL HARDNESS	R SCALE	ASTM D785	100
HDT(0.46N/mm2)	°C	ISO 75/B	85
VICAT SOFTENING POINT(10N)	°C	ISO 306A	154
MELTING POINT(DSC)	°C	ISO 11357-1	163

*All above mentioned data have been obtained from stabilized powder with additives package in lab and 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)