

	<b>TYPICAL DATA SHEET*</b>	<b>ISSUE DATE</b>	<b>9/MAR/2023</b>
	<b>POLYPROPYLENE</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
	<b>PPH-XD-045</b>	IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

PPH-XD-045 is homopolymer grade with isotactic degree around 94% in form of powder without stabilizers. This grade has medium molecular weight and outstanding mechanical properties.

**APPLICATION:**

High stiffness & gloss, high heating resistance, good scratch resistance & color ability, home appliance parts (kettle, electric cooker, etc.) and compounding

PROPERTIES	UNIT	TEST METHOD	VALUE
<b>MFI (@230°C &amp; 2.16KG)</b>	GR/10MIN	ISO1133	4.5
<b>ANNEALED DENSITY</b>	GR/CM3	ASTM D1505	0.9
<b>ISOTACTIC DEGREE</b>	%	ISO 9113	>=94
<b>ASH CONTENT</b>	PPM(WT)	ISO 3451-1	<=350
<b>CHLORINE CONTENT</b>	PPM(WT)	ENCO METHOD	<=100
<b>VOLATILE CONTENT</b>	%WT	ENCO METHOD	<=0.2
<b>BULK DENSITY</b>	GR/CM3	ASTM D1895	0.43
<b>TENSILE STRENGTH AT YEILD(50mm/min)</b>	MPA	ISO 527	32
<b>ELONGATION AT YEILD(50mm/min)</b>	%	ISO 527	10
<b>FLEXURAL MODULUS</b>	MPA	ISO 178	1400
<b>NOTCHED IZOD IMPACT(@23°C)</b>	KJ/M2	ISO 180/1A	4.5
<b>ROCKWELL HARDNESS</b>	R SCALE	ASTM D785	100
<b>HDT(0.46N/mm2)</b>	°C	ISO 75/B	85
<b>VICAT SOFTENING POINT(10N)</b>	°C	ISO 306A	154
<b>MELTING POINT(DSC)</b>	°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)