



SHOBEIR SHIMI
WWW.SHOBEIRSHIMI.COM
info@shobeirshimi.com

TABRIZ PETROCHEMICAL COMPANY

HIGH DENSITY POLYETHYLENE 6040UA

HDPE 6040UA is a specialized HDPE grade formulated for injection molding and rotational molding applications. It offers a balance of mechanical properties, processability, and UV/oxidative stability, making it suitable for durable products exposed to environmental conditions.

Producer	Characteristic Properties	Applications
TABRIZ	good impact strength excellent surface finish.	large dustbins and pails, pallet

Typical Properties

Resin Properties	Unit	Typical Value	Test Method
Melt Flow Index (190°C 2.16KG)	g/10min	3.9	ASTM D-1238
Density	g/cm ³	0.960	ASTM D-1505
Yellowness Index	-	-1	ASTM E-313
Whiteness Index	g/cm ³	60	ASTM E-313
Vicat Softening Point	°C	112	ASTM D-1525
Tensile Stress at Yield	MPa	20	ASTM D-638
Elongation at Break	%	700	ASTM D-638
Charpy Impact	KJ/M ²	10	ASTM D-6110