

## HD-6040UA

### High Density Polyethylene (HDPE)



#### Product Description

HD-6040UA is a ultra-violet light stabilized high density polyethylene injection grade with a narrow molecular weight distribution, specially developed for injection moulding of heavy duty parts for outdoor application. Articles produced from this grade exhibit excellent impact strength and stiffness, low warpage, good weathering resistance.

#### Applications

- Pallet
- Technical parts
- Large dustbins and pails
- Shipping container
- Fish crates
- Storing cases

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
MFI(190°C/ 2.16KG)	gr/10Min	3.6	ASTM D 1238
MFI(190°C / 5.0KG)		-	
DENSITY	gr/cm <sup>3</sup>	0.960	ASTM D 1505
ANTI-OXIDANT			√
UV STABILIZER			√
FLEXURAL MODULUS	MPa	1250	ASTM D 790
TENSILE STRENGTH AT YIELD	MPa	31	ASTM D 638
ELONGATION AT BREAK	%	1000	ASTM D 638
CHARPY IMPACT STRENGTH	Kj/m <sup>2</sup>	11	ASTM D 256
HARDNESS SHORE D	-	68	ASTM D 2240
ESCR, F50, 10% IGEPAL,	hr	12	ASTM D1894
VICAT SOFTENING TEMPERATURE	°C	125	ASTM D 1525
MELTING POINT	°C	132	ASTM D2117

Producer: Tabriz Petrochemical Co.

Licensor: BP

Packing: 25 Kg plastic bag

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