

HD-5030UA

High Density Polyethylene (HDPE)



Product Description

HD-5030UA is a high-density polyethylene copolymer grade with a narrow molecular weight distribution, specially developed for injection moulding application requiring very high environmental stress cracking resistance. Articles produced from this grade exhibit excellent impact strength and stiffness, low warpage, high purity and quality controlled organoleptic properties, this grade is particularly intended for the packaging in direct contact with beverages. In order to preserve the excellent organoleptic properties, it is important not to exceed a melt temperature of 250°C during processing.

Applications

- Caps & closures for the packaging of sparkling water and carbonated soft drinks.
- Technical parts.

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
MFI(190°C/ 2.16KG)		2.0	
MFI(190°C / 5.0KG)	gr/10Min	-	
DENSITY	gr/cm ³	0.950	ASTM D 1505
ANTI-OXIDANT			
SLIP AGENT			
UV STABILIZER			
FLEXURAL MODULUS	MPa	1100	ASTM D 790
TENSILE STRENGTH AT YIELD	MPa	27	ASTM D 638
ELONGATION AT BREAK	%	1000	ASTM D 638
CHARPY IMPACT STRENGTH	Kj/m ²	15	ASTM D 256
HARDNESS SHORE D	-	65	ASTM D 2240
ESCR, F50, 10% IGEPAL,	hr	30	ASTM D1894
VICAT SOFTENING TEMPERATURE	°C	123	ASTM D 1525
MELTING POINT	°C	130	ASTM D2117

Producer: Tabriz Petrochemical Co.

Licenser: BP

Packing: 25 Kg plastic bag

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