Manufacturer website: petrochem-ir.net

HD-5030UA
High Density polyethylene

1)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.

2)Applications

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

3)Typical data

Property	Test Method	Unit	Typical Value
MFI(190°C/ 2.16Kg)	ASTM D 1238	gr/10Min	2.0
MFI(190°C / 5.0Kg)			-
Density	ASTM D 1505	gr/cm³	0.950
Anti Oxidant			√
Slip Agent			√
UV Stabilizer			√
Flexural Modulus	ASTM D 790	MPa	1100
Tensile Strength at yield	ASTM D 638	MPa	27
Elongation at Break	ASTM D 638	%	1000
Charpy Impact Strength	ASTM D 256	Kj/m²	15
Hardness Shore D	ASTM D 2240	-	65
ESCR, F50, 10% Igepal,	ASTM D1894	hr	30
Vicat Softening Temperature	ASTM D 1525	°C	123
Melting Point	ASTM D2117	°C	130

The above data are typical laboratory average. They are intended to serve as guide only.

Producer: Tabriz Petrochemical Co. Licensor: BP Packing: 25 Kg plastic bag

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