R.P.C
Arak Petrochemical Company

ISO 9001:2000
Certificate No.: CH98/8032

ISO 14001:2004
Certificate No.: CH03/0112

OHSAS 18001:1999
Certificate No.: CH05/0675

Address:
No. 3, Taban St.
Vali-e-Asr Ave.
Tehran - IRAN

Tel:
(+98 21)82122700

Fax:
(+98 21)8867 4126-27

Web-site:
www.arpc.ir

E-mail:
Sales@arpc-ir.net

High Density Polyethylene

HD5218EA (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFI@190°C, 2.16 kg	D1238	gr/10min	18
Density	D1505	gr/cm^3	0.952
Tensile Strength@Yield	D638	Mpa	26
Tensile Modulus	D638	Mpa	-
Elongation@Break	D638	%	1000
Flexural Modulus	D790	Mpa	1000
Hardness Shore D	D2240	-	66
Charpy Impact Resistance (Notch)	D256	Kj/m^2	5

➢ Values shown are averages & are not to be considered as product specifications.

❖ Main application & Characteristics:

HD5218EA is a high density polyethylene copolymer grade with a narrow molecular weight distribution, suitable for thin wall injection moulding applications.

◆ Characteristics:

– High flow.
– High warpage resistance.
– Suitable for fast cycling applications.

◆ Typical applications are:

– House wares.
– Caps & closures.
– Thin walled containers.
– PET bottle bases.

* HD5218EA is suitable for food contact.

Manufacturer website: www.arpc.ir