

Arak LLDPE HD5218EA

High Density Polyethylene
Shazand (Arak) Petrochemical Corporation

Message:

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.

| General Information | | | |
|---|--------------------------------------|-------------------|-------------|
| Features | Copolymer | | |
| | Food Contact Acceptable | | |
| | High Flow | | |
| | Narrow Molecular Weight Distribution | | |
| | Vulcanizable | | |
| Uses | Bottles | | |
| | Caps | | |
| | Closures | | |
| | Household Goods | | |
| | Thin-walled Containers | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.952 | g/cm ³ | ASTM D2838 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 18 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 66 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 26.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 1000 | % | ASTM D638 |
| Flexural Modulus | 1000 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | 5.0 | kJ/m ² | ASTM D256 |

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