中海壳牌石油化工有限公司
CNOOC and Shell Petrochemicals Company Limited

Product Data Sheet

CS-Davance™B5502A

Characteristics

- High Density Polyethylene
- Pellets
- easy processing
- high top load resistance
- good environmental stress cracking resistance (ESCR)
- good impact strength
- Food contact, meets FDA requirements of 21CFR.1520
- Antioxidants
- High rigidity

Applications:

- Extrusion Blow Molding
  - Small blow molding parts
  - Engineering parts
  - Jerry cans
- Packaging of consumables
- Injection Blow Molding
- Household chemicals, pharmaceutical and cosmetic containers

TYPICAL PHYSICAL PROPERTIES

Property	Methods	Unit	Typical Value
Melt flow rate (2.16 kg load)	ISO 1133	g/10min	0.20
Density (annealed)	ISO 1872/1	g/cm3	0.955
Tensile strength at yield	ISO 527	MPa	27
Elongation at yield	ISO 527	%	9
Tensile strength at break	ISO 527	MPa	10
Elongation at break	ISO 527	%	480
Tensile Modulus of Elasticity	ISO 527	MPa	1160
Flexural Modulus	ISO178	MPa	1290
IZOD impact strength	ISO180	kJ/m2	13
Melting Point	ISO11357	℃	134
Vicat softening point	ASTM D 1525	℃	129
ESCR (F50, 50°C)	ASTM D1693	hours	17

(1) Typical values; not to be construed as specifications

Recommended Processing:

Melt temperatures: 180 - 210°C

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