HDPE BLOW MOULDING

HF-4760 (BL3) - (J.P.C)

Product Description:
BL3 is a high density polyethylene with 1-Butene as co monomer.it is high density and stiffness.
Good ESCR. High rigidity. Good flow ability and impact strength.

Main Applications:
- Small blow moulding
- Bottles
- Containers (up to 5 lit)
- Packing of pharmaceuticals & surfactants

Typical data - HF-4760 (BL3)

RESIN PROPERTIES	TEST METHOD	UNIT	VALUE
Mass density 23°C	ISO 1183	g/cm3	0.954
Melt flow rate (190°C/5.0kg)	ISO 1133	g/10min	1.2
Melt flow rate (190°C/21.6kg)	ISO 1133	g/10min	23
Stress at yield	ISO 527	MPa	26
Flexural creep modulus(4point.1min)	DIN 19537-2	MPa	1300
Tensile modulus(23°C.v=1mm/min.secant)	ISO 527	MPa	1250
Stress at break	ISO 527	MPa	32
Elongation at break	ISO 527	%	>600
Elongation at yield	ISO 527	%	10
Softening temperature	ISO 306	°C	77
Brittle temperature	ASTM D746-72	°C	<-80
Shore D hardness	ISO 868	-	62
ESCR in full notch creep test (80°C.2%ar-copal)	ISO CD 16770	h @ 3.5MPa	5
Impact strength 23°C	ISO 179/1Ea	Kj/m2	10
Swell ratio	internal	0%	120