



BL3 Datasheet

Description:	BL3 is a blow-moulding grade high density polyethylene with 1-Butene as co-monomer which is manufactured by the suspension polymerization of ethylene monomers. Stiffness, good ESCR, high rigidity, impact strength and good flowability make it especially suitable for usage in bottles and small blow moulding goods.
Typical Applications:	This grade is suitable for food contact conform EEC regulation.

Characteristic	Typical value	Unit	Test method
Mass density (23°C)	0.954	gr/cm3	ISO 1183
Melt flow rate (190°C/5.0kg)	1.2	gr/10min	ISO 1133
Melt flow rate (190°C/21.6kg)	23	gr/10min	ISO 1133
FRR(21.6/5)	19	-	-
Impact strength (23°C)	≥9	mj/mm2	ISO 179/1eA
Swell ratio	120	%	MPC-Test
Flexural creep modulus (4 point, 1 min)	1300	Mpa	DIN 19537-2
Tensile modulus (23°C, v=1 mm/min, secant)	1250	Mpa	ISO 527
Stress at break	32	Mpa	ISO 527
Elongation at break	>600	%	ISO 527
Elongation at yield	10	%	ISO 527
Softening temperature	77	°C	ISO 527
Brittle temperature	<-80	°C	ISO 6383-2
Shore D hardness	62	-	ISO 527
Dart drop impact	5	h @3.5 MPa	ASTM D 1709



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