

TECHNICAL DATASHEET

HD B1258



PRODUCT DESCRIPTION

HD B1258 is a High Density Polyethylene with an excellent combination of stiffness and environmental stress crack resistance (ESCR). It is delivered in pellet form.

TRPICAL APPLICATION

Designed for small blow moulding containers up to 5 liters for food and consumer applications.

TYPICAL DATA

Physical	Method	Unit	Value
Density	ISO 1183	g/cm ³	0.958
Melt Flow Rate (190°C /2.16kg)	ISO 1133	g/10 min	0.25
Melt Flow Rate (190°C /5kg)	ISO 1133	g/10 min	1.2
Melt Flow Rate (190°C /21.6kg)	ISO 1133	g/10 min	22
Vicat Softening Temperature (B50 (50°C/h 50N))	ISO 306	°C	79

Mechanical	Method	Unit	Value
Tensile Modulus	ISO 527-1, -2	MPa	1320
Tensile Stress @ Yield	ISO 527-1, -2	MPa	28.0
Tensile Strain @ Yield	ISO 527-1, -2	%	10
Tensile Impact Strength (<i>Note: notched</i>)	ISO 8256	kJ/m ²	75.0
Charpy Notched Impact Strength (<i>Note: notch A, Type 1, -30°C</i>)	ISO 179	kJ/m ²	11.0
Shore Hardness (Shore D)	ISO 868		63
Ball Indentation Hardness (H132/30)	ISO 2039-1	MPa	53.0

(Staudigner Index Jg ; ISO 1628: 260 ml/g FNCT: 3.5 MPa, 2% Arcopal, 80°C, ISO 16770: 8 h ESCR)

Recommended Temperature:

Melt temperature: 180°C-220°C

Note:

The above properties are not to be construed as specifications.