

TASNEE HD B1258

POLYETHYLENE

DESCRIPTION

TASNEE 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.

TYPICAL APPLICATION

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

TYPICAL PROPERTIES

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
Staudinger Index Jg	ISO 1628	ml/g	260
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
Tensile Strain @ Yield	ISO 527-1, -2	%	10
Tensile Impact Strength (Note: notched)	ISO 8256	kJ/m ²	75
Charpy Notched Impact Strength (Note: notch A, Type 1, -30°C)	ISO 179	kJ/m ²	11
Shore Hardness (Shore D)	ISO 868		63
FNCT (3.5 MPa, 2% Arkopal N 100, 80°C)	ISO 16770	h	> 8
Ball Indentation Hardness (H132/30)	ISO 2039-1	MPa	53

Recommended Temperatures:

Melt temperature: 180°C - 220°C

Note: The above properties values are not to be construed as specifications.



Mob : + 91 8910506413 / 9831235030

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