



TECHNICAL DATA SHEET

POLYPROPYLENE

TASNEE 100 Black

Description 说明

TASNEE 100 Black is a High Density Polyethylene, black colored resin. The product is classified as PE 100 and provides excellent environmental stress crack resistance properties (ESCR) combined with very good long term hydrostatic strength. It has very high impact and stiffness properties.

TASNEE 100 黑色是高密度聚乙烯,黑颜色的树脂。该产品被列为 PE100 和提供优良的耐环境应力开裂(ESCR)属性结合很好的长期静液压强度。它有很高的影响和刚度特性。

Applications 用途

Leading PE for pressure pipe, for gas and water distribution, sewage and drainage.

主要用于 PE 管的压力,气体和水分布、污水和排水。

Origin 原产地

Tasnee saudi arabia

沙特 tasnee

Resin properties

Typical properties 典型性能	Test method 测试方法	Unit 单位	Value 结果
Density 密度	ISO 1183	g/cm ³	0.959
Melt Flow Rate (190°C /5kg)融熔指数	ISO 1133	g/10 min	0.23
Melt Flow Rate (190°C /5kg)熔融指数	ISO 1133	g/10 min	6.4
Staudinger Index Jg	ISO 1628	ML/g	380
Vicat Softening 维卡软化点	ISO 306		
Temperature(VST/B/50 K/h (50N))热度测试		°C	74
Tensile Modulus (23°C, v = 1mm/min, Secant)	ISO 527-1, -2	MPa	900
Mechanical 机械性能	Test method 测试方法	Unit 单位	Value 结果
Tensile Modulus (23°C, v = 1mm/min, Secant)拉伸系数	ISO 527-1, -2	MPa	900
Tensile Stress @ Yield (23°C, v = 50 mm/min)拉伸压力	ISO 527-1, -2	MPa	23
Tensile Strain @ Yield (23°C, v = 50 mm/min)拉伸应力	ISO 527-1, -2	%	9
Tensile Creep Modulus 1h [Test stress in MPa]拉伸浮动模具	ISO 899-1	MPa	850 [2.0]
Maximum Elongation TD 最大伸长率	EN 638	%	>350
MRS Classification MRS 分类	ISO/TR 9080	MPa	10
Flexural Stress at 3,5% deflection 弯曲应力	ISO 178	MPa	21
FNCT (4.0 MPa, 2% Arkopal N 100, 80°C)	ISO 16770	h	>1000
Shore Hardness (Shore D (3 sec))肖氏硬度	ISO 868		63
Odour Treshold 气味阈值	EN1622/EN1240		<2

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications)