

HIGH DENSITY POLYETHYLENE

HDPE

GRADE: 271-274K

Typical applications

Grade 271-274K is intended for extrusion of insulation and shielding of cables.

TECHNICAL CHARACTERISTICS

	Parameter	Standard
1.	Density, kg/m ³	0.950 - 0.955
2.	Melt flow index, g/10 min: at load of 2.16 kg at load of 5.0 kg	0.30 - 0.65
3.	Melt flow index spread within a batch, %, maximum	±10
4.	Number of inclusions, pieces, maximum	10
5.	Weight content of volatile substances, %, maximum	0.10
6.	Weight content of ash, %, maximum	0.050
7.	Stress cracking resistance, hours, minimum	500
8.	Tensile yield strength, MPa minimum	22.6
9.	Rupture strength, MPa, minimum	21.6
10.	Elongation at break, %, minimum	700
11.	Weight content of extractable substances, %, maximum	Not specified
12.	Thermal oxidation resistance, hours, minimum	Not specified
13.	Photo-oxidation resistance, hours, minimum	Not specified

Supply form: Pallets

Packing: Product is packed in polyethylene bags (one bag net weight 25.00 ±0,25kg) and stacked on flat pallets with shrink film. Maximum gross weight of a bundle is 2 tons.

Transport: by all modes of transport.

Storage: polyethylene shall be stored in enclosed dry space preventing from direct sunlight on shelves or pallets at least 5 cm from the floor and at least 1m from heaters, at a temperature max 30°C, relative humidity max 80%

Prior to processing bags with polymer shall be kept in production are for at least 12 hrs.

Information contained herein is provided to the best of our knowledge and is considered true on the revision date. This specification does not release a customer from obligation to check the product as to suitability thereof for the intended application. A producer shall not be liable Information contained herein is provided to the best of our knowledge and is considered true on the revision date. This specification does not for any loss and damage that might occur due to use of this information