

Grade P502

Polyethylene for Geomembrane

Description:

P502 is a Polyethylene resin special designed for geomembrane applications produced by advanced bimodal Hostalen process. The resin offers an outstanding balance between processing and sheet properties, included tensile, thermal resistance and ESCR for geomembrane applications.

Physical Properties:	Method	Unit	Value
Melt Flow Rate (190°C, 2.16kg)	ASTM D1238	g/10min	0.25
Melt Flow Rate (190°C, 5.0kg)	ASTM D1238	g/10min	1.1
Density	ASTM D1505	g/cm ³	0.938
Tensile Strength at Yield	ASTM D638	MPa	19
Elongation at Break	ASTM D638	%	900
Oxidation Induction time at 200°C	ASTM D3895	min	> 100
ESCR (Condition B, F50)	ASTM D1693	hrs	> 1500

Remark: The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitable of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.

REV. 20140912

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