

Integrate

NE542013

Functionalized Polyolefin

Melt Flow Rate: 13

Density: 0.943

lyondellbasell

General Description

Integrate products are chemically modified polyolefins used to combine dissimilar materials for a variety of applications including molded articles, flexible materials and fiber technology or to provide property enhancements which fulfill final material parameters. These products are particularly effective when the materials involved contain both polar and non-polar components. Specific ingredients may include polymers such as polyethylene and/or its copolymers, polypropylene and/or its copolymers, polyamides (nylon), polyacetates, cellulose, wood flour as well as a variety of minerals, which can be used to improve strength or stiffness of the final composition. *Integrate* products are available in pellet form. Contact your sales and/or Equistar technical service representative for more information and specific recommendations for your application(s).

Processing Techniques

A process melt temperature above 400°F (205°C) is recommended to ensure that adequate dispersion occurs among the components. More specific suggestions about a particular application can only be made when equipment, process parameters and conditions of use are known.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	13	g/10 min	D1238
Density	0.943	g/cc	D1505
Vicat Softening Point	106	°C	D1525
Tensile Strength @ Break	2,220	psi	D638
Elongation @ Break	650	%	D638
1% Secant Modulus	80,000	psi	D790

Typical Properties; not to be construed as specifications.

LyondellBasell markets this product through the following entities:

Equistar Chemicals, LP
 Basell Sales & Marketing Company B.V.
 Basell Asia Pacific Limited
 Basell International Trading FZE
 LyondellBasell Australia Pty Ltd

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