

LyondellBasell Integrateâ„¢ NE542013 Functionalized Polyolefin

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

INTEGRATE products are chemically modified polyolefins used to combine dissimilar materials for a variety of applications including molding articles, flexible materials and fiber technology or to provide property enhancements which fulfill final materials 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 (nylons), polyacetates, cellulose, ionomers, polyethylene terephthalate (PET) resins and/or its copolymers as well as a variety of minerals, which can be used to improve strength or stiffness in the final composition. Individual product grades can be tailored for specific applications or properties.

INTEGRATE products are available in pellet form. Contact your sales and/or Equistar technical service representative for more information and specific recommendations for your applications(s)

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Integrate-NE542013-Functionalized-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	0.943 g/cc	0.0341 lb/in ³	ASTM D1505
Melt Flow	13 g/10 min	13 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	15.3 MPa	2220 psi	ASTM D638
Elongation at Break	650 %	650 %	ASTM D638
1% Secant Modulus	552 MPa	80000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	106 Â°C	223 Â°F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	204 Â°C	400 Â°F	

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