

Lehigh Technologies PolyDyne[®],^ç Reprocessed Ground Rubber

Category : Other Engineering Material , Additive/Filler for Polymer , Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

A mixture of natural and synthetic rubbers, carbon black, filler and oils. Information provided by Lehigh Technologies, LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehigh-Technologies-PolyDyne-Reprocessed-Ground-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	+/- 0.03
Volatiles	<= 1.0 %	<= 1.0 %	Primarily Water
Solubility in Water	0.00 %	0.00 %	
Carbon Black Loading	27 - 33 %	27 - 33 %	Cas# 1333-86-4

Thermal Properties	Metric	English	Comments
Flammability Test	700	700	[°F]; Auto-ignition
Flash Point	246 °C	475 °F	

Descriptive Properties	Value	Comments
Appearance	Black granules	
Hazardous Polymerization	None	
Process Oil	10-20 %	CAS#: 64742-04-7
Reprocessed Rubber wt. %	40-45 %	CAS#: NR:9003-31-0/SBR: 9003-55-8
Stability	Stable	
Stearic Acid wt. %	1-2%	CAS#: 00057-11-4
Sulfur wt. %	1.5-2.5 %	CAS#: 07704-34-9
Zinc Oxide wt. %	2-3 %	CAS#: 01314-13-2

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