

## Technical Data Sheet

### CARBON BLACK MASTERBATCH

version 3

## Description

EMULBLACK 1606R is a general purpose SBR oil/black masterbatch based on a cold polymerized polymer.

SBR: 100 pts.

HAO: 10 pts.

Carbon Black N330: 52 pts.

## Packaging

This product is commercialized in 34± 1KG rectangular bales individually wrapped in low melting point polyethylene film and shipped in 36 bale cardboard boxes

## Application Data

EMULBLACK 1606 offers excellent physical properties and outstanding processing characteristics due to the complete dispersion of the carbon black and processing oil in the polymer. Is recommended for use in tires, tread rubber and molded and extruded mechanical goods.

## Storage

Store in a dry and ventilated area where it will not be exposed to direct sunlight, extreme temperatures or sources of ignition.

Please consult the EMULBLACK 1606R "Material Safety Data Sheet" (MSDS) for more detailed handling and storage information.

## Chemical Properties

Property	Test Method	Units	Value
Volatile Matter	ASTM D5668	%	0.75 MAX
Ash	ASTM D5667	%	0.50 MAX
Organic Acid	ASTM D5774	%	3.1 - 5.1
Soap	ASTM D5774	%	0.50 MAX
Carbon Black	-	%	30.6 - 33.6
Aromatic Oil	ASTM D5774	%	6.15 ± 0.65
Bound Styrene	ASTM D5775	%	22.5 - 24.5

## Physical Properties

Property	Test Method	Units	Value
Mooney Viscosity UMS1+4 (100°C)	ASTM D1646	MU	65 ± 10
*Compound Mooney V. ML 1+4 (100°C)	ASTM D1646	MU	51 TYPICAL
Tensile Strength	ASTM D3186	MPa	TBD
Modulus	ASTM D3186	MPa	TBD
Elongation at Break	ASTM D3186	%	TBD

## Rheometrical Test (ODR2000)

Property	Test Method	Units	Value
ML	ASTM D2084	lb <sub>f</sub> /in	TBD
MH	ASTM D2084	lb <sub>f</sub> /in	TBD
t <sub>s</sub> 1	ASTM D2084	min	TBD
t <sub>c</sub> (50)	ASTM D2084	min	TBD
t <sub>c</sub> (90)	ASTM D2084	min	TBD

TBD: TO BE DETERMINED

Phone number: 52 (833) 229 0345 Fax: 52 (833) 229 0347 From USA to Mexico: (888) 865 3170 USA Office: (281) 397 4104

The information is based on laboratory data and does not necessarily indicate end product performance.

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