



**RUBBER
CONVERSION**

SRC HE 350

Technical Data Sheet

Release
Version
1.2.1

Date: 01/03/2018

Replaces
Version
1.2

Date: 14/11/2017

DESCRIPTION

Origin: Whole truck tire
Appearance: powder
Colour: black

MAIN FEATURES

Chemical and Physical Properties	U.M.	Test	Values
RHC (total polymer content)	%	UNI EN ISO 9924	50 min
Carbon Black	%	UNI EN ISO 9924	25 min
Ash	%	UNI EN ISO 9924	8 max
Acetone extract	%	ASTM D 297	10 max
Tensile strenght (15'/145°C) *	MPa	ASTM D 412	6 min
Elongation at break (15'/145°C) *	%	ASTM D 412	350
Hardness (IRHD) *	IRHD	ISO 48	50 ÷ 68

* Values related to a compound with 30% SRC content (by weight)

PACKAGING

Package	Weight x package (Kg)	Transport
EVA bags	5 ÷ 20	Wooden or plastic pallets



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M.B. NR/SBR blend					10%	20%	30%
code Devic. %			M.B. Formula according to the client				
Ingredients							
Master Batch (%)			182.00 (100)		163.8 (90)	145.6 (80)	127.4 (70)
Master batch	NR		62.00				
	SBR		36.00				
	C. Black		69.00				
	Regenerat		5.50				
	Chemicals		7.50				
	D.R.C. - Devulcanized		(0)		18.2 (10)	36.4 (20)	54.6 (30)
	ZnO		-		0.40	0.80	1.20
	Stearic acid				0.20	0.40	0.60
Total			182.00		182.60	183.20	183.80
Accelerators	Sulfur		1.00	1.50	1.00	1.00	1.00
	CBS		1.50	0.8	1.50	1.50	1.50
	TMTM					0.40	0.40
	DTDM 80%						
	TMTD		1.00	1.00	1.00	0.60	0.60
	Struktol A-60					0.60	1.00
	Total						
Rheometer	MDR 2000 160° C	ML	1.70	1.77	2.13	2.57	3.12
		MH	16.40	18.63	16.71	15.37	15.16
		TS	3.03	2.42	2.37	2.19	1.65
		T50	3.81	3.15	2.96	2.64	2.22
		T90	5.68	5.29	4.57	4.33	3.87
Hardness			61.00	63.00	61.0	60.0	60.0
Modulus kg/cm2	100%	0		26	21		19
		+				19	
	200%	0		74	56		46
		+					
	300%	0		126	103		90
		+					
Tensile strength kg/cm2		0		141	139	129	133
		+					
Elongation %		0		329	385	382	381
		+					
Tear resistance kg/cm Trouseres			6		8.20	8.80	8.80
ABRASION RESISTANCE - mm3			90		95	96	110
Compression set % 22hs, 70°C							
S.G.	calculated		1.128		1.124	1.128	1.131
	measured						