

POWDER RJP™ & GRANULES RJG™ RUBBER POWDER

Rev. 00 - 30.09.2021

Technical Data Sheet RubberJet Powder RJP™ 400

Product name	RJP™ 400
Product description	Black rubber powder (polymer) derived from end-of-life tyres through disgregation process done by High Pressure Water Jet Technology.

Classification according to UNI 11610-1: 2015

Product specifications		Classification			
Origin	Granulometry	Free metal	Free fibre	Other impurities	ICG
3C	0÷0.4	1	1	1	1

Physical properties	Test methods	Unit	Value
Particle size range	UNI EN 14243-2:2019	mm	0÷0.4
Specific density	ASTM D 297	g/cm ³	1.12
Humidity	UNI EN 14346:2007 Method A	%	0.3
Free metal content	UNI EN 14243-2:2019 Appendix A	%	0.01
Free fibre content	UNI EN 14243-2:2019 Appendix B	%	<0.001
Other impurities	UNI EN 14243-2:2019 Appendix C	%	0.5
Rubber content	ASTM D 5603:2008	%	59.0
Carbon black content	ASTM D 5603:2008	%	30.7
Ashes content	ASTM D 5603:2008	%	1.9
De-vulcanization degree	ASTM D 6814-02:2013	%	70.5
Acetone extractable	ASTM D 297	%	5.4

Chemical properties	Unit	Value	Specification	Test methods
Extractable Organic Halides (EOX)	mg/Kg	84	100	DIN 18035-7:2014-10 point 7.8.4
DOC (24h)	mg/l	74	100	DIN 18035-7:2014-10 point 7.8.5
Zinc (24h)	mg/l	0.89	1	DIN 18035-7:2014-10 point 7.8.6
Zinc (48h)	mg/l	0.42	0.5	DIN 18035-7:2014-10 point 7.8.6
Cadmium	mg/l	<0.001	0.005	DIN 18035-7:2014-10 point 7.8.6
Total Chromium	mg/l	<0.002	0.05	DIN 18035-7:2014-10 point 7.8.6
Lead	mg/l	<0.002	0.025	DIN 18035-7:2014-10 point 7.8.6
Mercury	mg/l	<0.0005	0.001	DIN 18035-7:2014-10 point 7.8.6
Tin	mg/l	<0.01	0,04	DIN 18035-7:2014-10 point 7.8.6
Chromium VI	mg/l	<0.002	0.008	DIN 18035-7:2014-10 point 7.8.6
Polycyclic aromatic hydrocarbons (PAH)	mg/Kg	<1.7	-	ISTISAN 16/13 Part A

PACKAGING: big bag

HEALTH & SAFETY: guidelines on health and safety are given in the Technical Safety Data Sheet

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CERTIFICATIONS: ISO 9001: 2015

Note: characteristics specified are typical for the product which is obtained from a large number of different tyres. Consequently, RubberJet Valley cannot give any exact nominal values on the chemical composition of the material. The above-mentioned nominal values have been prepared to the best of our knowledge and RubberJet Valley shall not be liable for any insufficiency or inaccuracy in such information.



RubberJet Valley