

KRATON Polymers U.S. LLC - Certificate of Analysis

Customer: UNIVAR USA INC.
 ATTN: ACCOUNTS PAYABLE
 P.O. Box 34325
 SEATTLE WA 98124-1325
 USA

Ship-To: UNIVAR//PHILADELPHIA
 200 DEAN SIEVERS PLACE
 MORRISVILLE PA 19067-0000
 USA

Kraton Product : 55002092 / Kraton D1102 KT (formerly D1102K)
 Customer Product : 760202 ~~X~~

Sales Order/Item : 183549 / 50
 Cust PO/Indent : MV-675311
 Shipping Date : 01/27/2017
 Batch No. : 05UBP7212

Delivery Number: 80318827
 Vehicle/Container : LMSL/EDJA/5362
 Shipping Loc : Peoples Warehouse
 Mfg. Date : 05/13/2016

Property	Units	Minimum	Maximum	Result	F	Method
SQR				1000		
Pallets				401 - 999		
Polystyrene Content	% Weight	26.8	30.0		1	KM 03
Vis, Sol (Toluene) 25.0%w @25C	Centipoise			978	3	BAM 922
Volatile Matter	% Weight		0.7	0.3		KM 04
Ash	% Weight	0.20	0.40	0.32		BAM 908
Total Extractables	% Weight		1.0	0.3		KM 05
Antioxidant	% Weight	0.15	0.25	0.22		KM 08
Color, Yellowness Index			20.0	2.6		ASTM E313
Coupling Efficiency	%	80.0	88.0	84.2		KM 01
Gel Content, on 100 mesh	ppmw		50	< 20		KM 09
Mole Weight, M	g/mol	112.0	128.0	118.8		KM 01
Particulate Matter Index E				A	3	
WHPS	% Weight		3.7	1.4		KM 01
Melt Flow, 200C/5000g	g/10 min			13.2	3	ASTM D1238

(F)ootnotes

1-Guaranteed, 2-Typical, 3-Report Only.

*Kraton, Cariflex, Nexar, and the Kraton logo and design are trademarks of Kraton Polymers LLC.

Kraton Polymers certifies that its product will meet those specifications designated as such herein.