

KORDSA GLOBAL

ENVIRONMENTAL PERFORMANCE DATA

MATERIALS MANAGEMENT					
Materials		Turkey			
Primary Raw Materials	Unit	2013	2014	2015	GRI
Adipic Acid	Ton	na	14.317	27.051	EN1
HMD	Ton	na	13.943	21.225	EN1
Chips	Ton	25.376	28.262	41.241	EN1
Formaldehyde	Ton	213	227	254	EN1
Resorcinol	Ton	168	160	152	EN1
Ammonia	Ton	273	310	340	EN1
Latex	Ton	3.783	3.957	4.357	EN1
Renewable Raw Materials and Auxiliary Materials	Unit	2013	2014	2015	GRI
Wooden pallets	Ton	1.027	897	304	EN2
Stretch wraps - Nylon	Ton	177	270	188	EN2
Paper reels	Ton	2.712	2.037	2.156	EN2
Cardboard boxes	Ton	670	620	409	EN2
Estimated amount of paper reels reused*	Ton	1.517	697	233	EN2
* Reels not suitable for use in yarn plants are first sent to fabric plants and then to recycling plants.					
ENERGY MANAGEMENT					
Direct Energy Consumption		Turkey			
Non-renewable Direct Energy Sources	Unit	2013	2014	2015	GRI
Natural Gas	TEP	13.128.691	14.715.821	18.101	EN3
	GJ	549.672	616.122	757.886	EN3
Indirect Energy Consumption		Turkey			
Secondary Energy Purchased or Consumed from Non-renewable Energy Sources	Unit	2013	2014	2015	GRI
Electricity	kWh	160.584.000	169.119.000	176.229.000	EN3
	TEP	13.808	14.541.616	15.153	EN3
	GJ	578.102	608.828	634.434	EN3
Steam	kWh	33.582.000	31.264.000	34.110.000	EN3
	TEP	2.888	2.688	2.933	EN3
	GJ	120.895	112.550	122.796	EN3
WATER MANAGEMENT					
Total Water Withdrawal and Discharge by Source		Turkey			
Source: Ground	Unit	2013	2014	2015	GRI
Water	m ³ /year	525.000	488.204	448.516	EN8
Source: Municipal Water Supply (In cases of emergency)	Unit	2013	2014	2015	GRI
Water	m ³ /year	25.000	82.246	86.154	EN8
Total Water Withdrawal	Unit	2013	2014	2015	GRI
Water	m ³ /year	550.000	570.350	534.670	EN8
Recycled Water	Unit	2013	2014	2015	GRI
Water	m ³ /year	143.275	166.440	156.450	EN10
Total Wastewater Discharge	Unit	2013	2014	2015	GRI
Wastewater	m ³ /year	190.500	200.580	267.378	EN22
EMISSIONS MANAGEMENT					
Greenhouse Gas Emissions		Turkey			
In compliance with GHG Regulations and approved by the Ministry	Unit	2013	2014	2015	GRI
Direct CO ₂ Emissions	t CO ₂	na	30.533	36.695	EN15
Significant Air Emissions		Turkey			
By type	Unit	2013	2014	2015	GRI
NOx	kg	9,734	3,0322	3,0322	EN21
SOx	kg	0,220	0,6211	0,6211	EN21
POP	kg	0	0	0	EN21
VOC	kg	0,319	0,904	0,904	EN21
HAP	kg	0	0	0	EN21
PM	kg	0	0	0	EN21

MATERIALS MANAGEMENT				
Materials		2015		
Primary Raw Materials	Unit	Indonesia	Thailand	GRI
HMD	Ton	2.758	1.807	EN1
Formaldehyde	Ton	142.852	68	EN1
Resorcinol	Ton	99.557	41	EN1
Ammonia	Ton	201.537	51	EN1
Latex	Ton	1.956.943	1.415	EN1
Renewable Raw Materials and Auxiliary Materials	Unit	Indonesia	Thailand	GRI
Wooden pallets	Ton	1.586	5	EN2
Stretch wraps - Nylon	Ton	21	57	EN2
Paper reels	Ton	216	56	EN2
Cardboard boxes	Ton	343	56	EN2
Estimated amount of paper reels reused*	Ton	180	1	EN2
* Reels not suitable for use in yarn plants are first sent to fabric plants and then to recycling plants.				
ENERGY MANAGEMENT				
Direct Energy Consumption		2015		
Non-renewable Direct Energy Sources	Unit	Indonesia	Thailand	GRI
Natural Gas	GJ	242.859	130.734	EN3
Indirect Energy Consumption		2015		
Secondary Energy Purchased or Consumed from Non-renewable Energy Sources	Unit	Indonesia	Thailand	GRI
Electricity	kWh	150.430.050	38.964.086	EN3
WATER MANAGEMENT				
Total Water Withdrawal and Discharge by Source		2015		
Source: Underground	Unit	Indonesia	Thailand	GRI
Water	m ³ /year	5.889	n.a.	EN8
Source: Municipal Water Supply (In cases of emergency)	Unit	Indonesia	Thailand	GRI
Water	m ³ /year	353.878	96.140	EN8
Total Water Withdrawal	Unit	Indonesia	Thailand	GRI
Water	m ³ /year	359.767	96.140	EN8
Total Wastewater Discharge	Unit	Indonesia	Thailand	GRI
Wastewater	m ³ /year	304.166	76.912	EN22
EMISSIONS MANAGEMENT				
Greenhouse Gas Emissions		2015		
In compliance with GHG Regulations and approved by the Ministry	Unit	Indonesia	Thailand	GRI
Direct CO ₂ Emissions	t CO ₂	12.394	6.670	EN15
Significant Air Emissions		2015		
By Type	Unit	Indonesia	Thailand	GRI
NO _x	kg	1.728	213	EN21
SO _x	kg	1.692	124,8	EN21