

Technical Data

Type : NR ST BLACK SERIES

PROPERTY	UNIT	MEASURED VALUE							TEST METHOD & TEST CONDITION
		NR ST BLACK 03	NR ST BLACK 05	NR ST BLACK 15	NR ST BLACK 20	NR ST BLACK 35	NR ST BLACK 50	NR ST BLACK 70	
Thickness of Film(MIL) / Structure	MIL/PLY	1.5mil / 2ply	1.5mil / 2ply	1.5mil / 2ply	1.5mil / 2ply	1.5mil / 2ply	1.5mil / 2ply	1.5mil / 2ply	Micrometer Method
		1 mil / 1ply	1 mil / 1ply	1 mil / 1ply	1 mil / 1ply	1 mil / 1ply	1 mil / 1ply	1 mil / 1ply	
Visible Light Transmittance	%	2.6	5.4	11.4	20.2	30.7	48.2	69.5	ASTM D1003
Visible Light Reflectance	%	7.9	7.4	8.4	8.1	8.7	9.3	9.4	ASTM D1003
IR Rejected (at,1000 nm)	%	14.1	11.4	14	13.3	88.6	11.5	11.9	Nexfil Method
Total Solar Energy Transmittance	%	90	89	89	90	91	91	92	ASTM D1003
Total Solar Transmittance	%	43.8	46.8	50.2	54.8	60.5	69.7	80.4	ASTM D 1003, KSM 3832
Total solar Reflectance	%	10	9.2	10.1	9.7	10	10.3	9.9	KS M 3832
Total Solar Absorbance	%	46.2	44	39.7	35.5	29.5	20	9.7	KS M 3832
UV Transmittance	<3%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	ASTM D 1003
Scratch Resistance	4B~4H	2H<	2H<	2H<	2H<	2H<	2H<	2H<	ASTM D 3363

Test Method JAPAN, JASCO, V-570