



**Technical Data Sheet**

<b>PRODUCT NAME:- MOC RED PR170F3</b>							
<b>PRODUCT CODE/LOT NO.: 5214/F3, 7601912</b>							
<b>APPLICATION : FILM, MONOFILAMENT, MOULDING &amp; COLOR COMPOUND</b>							
SL NO.	PROPERTIES	METHOD	RANGE		RESULT		
			LOWER	UPPER			
1	CARRIER RESIN	--	--	--	PE		
2	PELLET SHAPE	Cylindrical/Spherical	--	--	Cylindrical		
3	PIGMENT	CAS NO.	--	--	2786-76-7		
4	POLYMER	CAS NO.	--	--	9002-88-4		
5	ADDITIVE	CAS NO.	--	--	9002-88-4		
6	MFI 190°C/2.16 Kgs.	ASTM D 1238	55	65	62.5 gm/10 mint		
7	SPECIFICA GRAVITY	ASTM D 792	1.05	1.10	1.07 g/cm <sup>3</sup>		
8	MOISTURE CONTENT 105°C	ASTM D 789	0.01	0.15	0.04%		
9	ANTIOXIDANT CONTENT	%	--	--	0.1%		
10	PIGMENT CONTENT	%	--	--	40%		
11	PELLET SIZE	Vernier Scale (mm)	2 mm	3 mm	2 mm		
12	PELLET COUNT	No'S/1gm	80	90	80 NoS/1gm		
13	HEAT STABILITY	ISO105A02	260°C	260°C	260°C		
14	MIGRATION	In Oil 70°C/48 hrs	1	5	4		
15	FILM MICROSCOPIC EXAMINE	In 30 micron film (Spot)	1	7	1		
16	TOXICXITY	FDA	--	--	21 CFR 178.3297		
17	BULK DENSITY	ASTM D 1895/GM/CC	0.65	0.75	0.68 GM/CC		
18	LIGHT FASTNESS	ISO 105 B02	FULL TONE	TINT TONE	FULL TONE	TINT TONE	
			7	5	7	5	
19	WEATHER RESISTANCE	DIN 54001	FULL TONE	TINT TONE	FULL TONE	TINT TONE	
			4	2	4	2	
<b>COLOR MEASUREMENT (R&amp;D)</b>							
	SPECTROPHOTOMETER	L	a	b	dL Pigment Dispersion	dE full Tone	De Tint Tone
1	STD @ 5% LDR PP FT	43.54	53.48	32.43			
2	PRESENT @ 5%LDR PP FT	42.76	52.72	31.36	-0.76	1.53	
3	STD @ 5% LDR PP TT	65.58	39.05	4.05			
4	PRESENT @ 5%LDR PP TT	63.79	40.48	4.59	-1.79		2.35

For Prayag polytech (P) ltd.

