

POLYMERS				
PE	PP	PVC	PS	BR
HDPE	Homo Polymer	Emulsion	GPPS	SBR
LDPE	Co Polymer	Suspension	HIPS	PBR
LLDPE	Pipe		EPS	

POLYETHYLEN (PE)	
HDPE	1) Film : Food Packing , Wrapping Films , Blown Films with Paper like quality
	2) Pipe : Waste and Sewer pipes , Gas pipes , Water pipes , Pressure pipes , Agricultural Pipe
	3) Blow molding : Blow Molding Bottles , Extrusion Blow Molding , Containers , Fuel Tanks, Non-fuel Reservoirs , IBC , Jerrycan , Open-Top Drum , Packing of Pharmaceutical
	4) Caps & Closure : Beverage Caps , Hot filled and Carbonated Soft Drink , Beverage Bottles Caps of Sparkling Water
	5) Yarn : Rope , Trampoline , Fishing net , Woven Sack
LDPE	General Purpose Bags , Carrier Bags , Shrink Films , Heavy Duty Carrier Bags , Bags & Pouches , Agricultural Bags , Construction Films , Food Packing o Cast Film
LLDPE	Heavy Duty Plastic Bags , Freezer Bags , Hand Bags , Packing , Agriculture Bags

POLYPROPYLENE (PP)	
	Application
PP Homopolymer	<ol style="list-style-type: none"> 1. Heavy Duty Plastic Jumbo Bags 2. Furniture 3. Caps 4. Closures 5. Toys
PP Co Polymer	<ol style="list-style-type: none"> 1. Lamination 2. Packaging of stationary 3. Packaging of Food 4. Filters 5. Containers
PP Pipe	<ol style="list-style-type: none"> 1. Service pipes o 2. Hot & Cold Water Supply 3. Industrial Water Conversance

POLYVINYL CHLORIDE (PVC)	
	Application
Emulsion	<ol style="list-style-type: none"> 1. Widows profiles 2. Electric wires 3. Cable Industry 4. Injection Molding 5. Extrusion of flexible hoses
Suspention	<ol style="list-style-type: none"> 1. Widows profiles 2. Electric wires 3. Cable Industry 4. Injection Molding 5. Extrusion of flexible hoses

POLYSTYRNE (PS)	
	Application
GPPS	<ol style="list-style-type: none"> 1. Shower cabinet 2. disposable cups 3. Food containers 4. Pen bodies 5. plastic bangles 6. stationary products
HIPS	Shower cabinet , disposable cups , Food containers Pen bodies , Yoghurt pots , refrigerator linings , vending cups , bathroom cabinets , toilet seats and tanks, closures, instrument control knobs
EPS	<ol style="list-style-type: none"> 1. Rigid insulation boards 2. Panel applications 3. Low density housing and construction blocks 4. Civil Engineering

POLYBUTADIENE (BR)	
	Application
SBR	<ol style="list-style-type: none"> 1. Production of HIPS 2. Rubber compound for tires 3. Floor coverings 4. Foot wear 5. Children toys 6. Rubber hose 7. Belt and gold balls
PBR	<ol style="list-style-type: none"> 1. Mechanical goods 2. Tires 3. Molded and extruded mechanical rubbers 4. Foot wear 5. Tire sidewalls 6. Floor covering 7. Children toys 8. Cables o Car & Truck tires , Shoe industry

Grades and Producers

HDPE Film

Grade	MFI	· c / Kg	Density (g/cm ³)
7000 F	0.05	190/2.16	0.952
HFI 5110	10	190/21.6	0.951
EX5 (HM9450F)	8	190/21.16	0.949

HDPE Pipe

Grade	MFI	· c / Kg	Density (g/cm ³)
EX 3 (PE 80)	6	190/21.6	0.944
EX3 (PE 100)	6.2	190/21.6	0.948
CRP 100 (HMCRP100N)	6.2	190/21.6	0.948
CRP100B (HMCRP100B)	6.2	190/21.6	0.957
HEX 4460 PE 80 ⁺	6	190/21.6	0.944

HDPE Blow Molding

Grade	MFI	· c / Kg	Density (g/cm ³)
BL3	23	190/21.6	0.954
BL4	9.5	190/21.6	0.951
HD0035	0.28-0.43	190/21.6	0.954
HBM 5520	23	190/21.6	0.955
HBM 5020	22	190/21.6	0.950
HBM 4261A	5.6	190/21.6	0.947
HBM 4265	6.5	190/21.6	0.942
HBM 5510	10	190/21.6	0.955

HDPE Caps & Closures

Grade	MFI	· c / Kg	Density (g/cm ³)
HD 5030 SA	3.1	190/2.16	0.951
52505 (CC52502)	2	190/2.16	0.952

HDPE Yarn

Grade	MFI	· c / Kg	Density (g/cm ³)
5000 S	0.8	190 c/2.16	0.954

LDPE

Grade	Application	MFI	· c / Kg	Density (g/cm³)
LFI 2047 A	Film	4.7	190/2.16	0.920
LFI 2119	Film	1.9	190/2.16	0.921
LFI 2125 A	Film	2.5	190/2.16	0.921
LFI 2130	Film	0.3	190/2.16	0.921
LFI 2185	Film	0.85	190/2.16	0.921
LFI 2185 A	Film	0.85	190/2.16	0.921
LFI 2575	Film	0.75	190/2.16	0.925
LIM 1922	Injection Molding	22	190/2.16	0.010
LH 0075	Injection Molding	0.85	190/2.16	0.919-0.922
2420 H	Cast Film/ Blown Film	1.9	190/2.16	0.924
2420 D	Blown Film/Injection Molding/ Extrusion Blow Molding	0.25	190/2.16	0.923
2420 F	Blown Film/Injection Molding/ Extrusion Blow Molding	0.75	190/2.16	0.923
2420 K	Cast Film/ Blown Film	0.04	190/2.16	0.924
LF 0200	Injection Molding	1.2	190/2.16	0.920

LLDPE

Grade	MFI	· c / Kg	Density
LL0209 AA	0.9	190/2.16	0.920
LL 0209KJ	0.9	190/2.16	0.921
LL22B01	0.8-1.2	190/2.16	0.920-0.924
22B02	0.8-1.2	190/2.16	0.920-0.924
22B03	2.8-3.2	190/2.16	0.920-0.924
LL220AA/ KJ	2.2	190/2.16	0.920

PP Homopolymer

PP

Grade	MFI	· c / Kg	Density (g/cm ³)
HP 550 J (PP Raffia)	3.2	230/2.16	0.9
HP 552 R (PP Fiber)	25	230/2.16	0.9
RP 210G	1.8	230/2.16	0.9
C30S	6	230/2.16	0.9

Copolymer

Grade	MFI	· c / Kg	Density (g/cm³)
EP 548 R	21	230/2.16	0.9
EP 440 G	1.3	230/2.16	0.9
EP 440 L	0.6	230/2.16	0.9

PP Pipe

Grade	MFI	· c / Kg	Density (g/cm³)
MR 230	1.05	230 c/2.16	0.954

PVC Emulsion

Grade	K-Value	Density
E6834	67 -69	6 >=

PVC Suspension

Grade	K- value	Viscosity
S6532	64 - 66	101-109
S6558	64 - 66	101 - 109
S70	69-71	0.98 - 1.02
S57	56 - 58	0.67 - .072
S60	59 - 61	0.74 - 0.79

PS GPPS

Grade	MFI	· c / Kg	Vicat softening
GPPS 1551	10	200/5	98
GPPS 1161	4	200/5	104
GPPS 1160	2.5	200/200	105
GPPS 1540	11	200/200	91
GPPS 1077	7	200/5	100
GPPS 1067	5.5	200/5	100
GPPS 1047	4.2	200/5	100
GPPS 1144	14	200/5	92
GPPS 1034	3.1	200/5	90
G300	3-5	200/5	1.04
GP 900	9-13	200/5	1.06

PS HIPS

Grade	MFI	· c / Kg	Vicat softening
HIPS 7240	4.5	200/5	97
HIPS 7055	4.4	200/5	92
HIPS 3163	16	200/5	85
HIPS 4125	12	200/5	93

PS EPS

Grade	Bead Size (mm)	Density (g/cm³)
HS 121	1.8-2.5	13-15
HS 321	0.7-1	18-30
F 1000	1.4-2	11-12
F 4000	0.5-0.8	16-18
F 100	1.2-1.8	7-12
F 205	0.9- 1.3	13-20
F 300	0.7-0.9	14-20
F 50	1.6-1.9	11
F 450	0.3-0.47	17

BR PBR

Grade	Viscosity	Oil content
PBR 1202	40-50	Max 0.3

BR SBR

Grade	Viscosity	Oil content	Bounded Styrene
E-SBR 1502	46-58	< 1	22.5-24.5
SBR 1712	42-52	< 1	22.5-24.5
SBR 1500	46-58	<1.5	22.5-24.5