



## GRADE RECOMMENDATION GUIDE - Plastics

PRODUCT	APPLICATIONS	GRADES
CARBON BLACK	<ul style="list-style-type: none"> <li>Molding, Extrusion</li> <li>Semicon, ESD</li> <li>Fiber</li> </ul>	<ul style="list-style-type: none"> <li>KC144, KC120, KC101, KC101S, KP103, RG223</li> <li>Electra273</li> <li>KP107, KP202</li> </ul>
ABS	Automotive, Home Appliances, E & E, Luggage, Packaging and others.	MG 47 NA 1000
Polycarbonate	<ul style="list-style-type: none"> <li>Molding - Textile Bobbins, Luggage, E &amp; E Medical Devices</li> <li>Extrusion - Pipes &amp; Tubes</li> <li>Optical - CD / DVD Discs</li> </ul>	<ul style="list-style-type: none"> <li>PC 1003R - 10 MFI (INJECTION)</li> <li>PC 0703R - 7 MFI (EXTRUSION)</li> <li>PC 2203R - 22 MFI (INJECTION)</li> <li>PC 5800 - 8 MFI (OPTICAL GRADE)</li> <li>PC 1804R - 18 MFI (FOOD GRADE)</li> <li>LEXAN LUX 9616 - 7 MFI (FR GRADE)</li> <li>HF 1140 - 25 MFI (FOOD GRADE)</li> </ul>
Polyacetal (POM)	Molding - Textile Parts, E & E, Engineering Parts	<ul style="list-style-type: none"> <li>90S - 11 MFI (INJECTION)</li> <li>280S - 33 MFI (INJECTION)</li> </ul>
Polyamides (PA)	Automotive, Home Appliances, E & E, Luggage, Packaging and others.	<ul style="list-style-type: none"> <li>PA6 Unfilled Natural</li> <li>PA6 Unfilled Black</li> <li>PA6 Glass Filled 30% Natural</li> <li>PA6 Glass Filled 30% Black</li> <li>PA66 Unfilled Natural</li> <li>PA66 Unfilled Black</li> <li>PA66 Glass Filled 30% Natural</li> <li>PA66 Glass Filled 30% Black</li> </ul>
HM- HDPE	Mono / Multilayer Films	F00952 - 0.5 MFI
LDPE	Mono / Multilayer Films, Drip Irrigation System	<ul style="list-style-type: none"> <li>HP0322N - 0.33 MFI</li> <li>HP0823J - 0.8 MFI</li> </ul>
LLDPE	Mono / Multilayer Films, Rotomolding, Drip Irrigation System, Masterbatch	118WJ – 1 MFI – with Slip & Antiblock R50035 – 5 MFI – for Rotomolding
m-LLD	Mono / Multilayer Films	8118 series - 1MFI with & and without additives
POP	Mono / Multilayer Films	8102 L - 1 MFI with additives
POE	PP modification - Automotive & Non-automotive, Footwear - Shoe Soles, W&C, Grafted for PA modification	<ul style="list-style-type: none"> <li>C0570D - 5 MFI</li> <li>C1070D - 1 MFI</li> <li>C0570D - 0.5 MFI</li> </ul>
PP	Injection Molding - High Heat Resistance grade used in Home Appliances like Coffee Maker, Kettle etc.	HJ730 - 20 MFI
SEBS	Plastic Modification, Adhesives	Taipol 6151-31% Bound Styrene
Antioxidants	<ul style="list-style-type: none"> <li>Primary</li> <li>Secondary</li> <li>Blends</li> </ul>	<ul style="list-style-type: none"> <li>A060 (1010) / A050 (176)</li> <li>2112 (168)</li> <li>A611 (1:1=215), A612 (1:2=225)</li> </ul>
Flame Retardents (ATO / Zinc Borate)	Flame Retardent Compounds	Details available on request

# Application - Product Selection Guide

	ABS	Antimony Trioxide	Antioxidants	Carbon Black	EVA	Fumed Silica	HDPE	LDPE	LLDPE	mLLD	PMMA	Polyacetal	Polyamide 6	Polyamide 66	Polycarbonate	Polyolefin Elastomer	Polyolefin Plastomer	PP Copolymer	PP Homopolymer	Styrene Block Copolymer	Titanium Dioxide	Zinc Borate	
Agriculture				●			●	●	●			●									●		
Automotive	●			●	●		●	●			●	●	●	●	●	●		●	●	●	●	●	●
Barware											●				●								
Construction				●		●			●														
Electrical & Electronics	●	●		●							●	●	●	●	●						●	●	●
Footwear				●	●			●								●						●	
Healthcare	●				●			●	●		●	●	●	●	●			●				●	●
Home Appliances	●			●							●	●	●	●	●	●		●	●	●	●	●	●
Industrial	●			●	●		●	●	●		●	●	●	●	●	●		●	●				
Infrastructure				●			●																
Kitchenware	●						●				●				●	●		●	●	●	●	●	●
Lighting & Illumination	●										●		●	●	●							●	●
Luggage	●			●											●			●				●	
Optical											●				●								
Packaging	●			●	●		●	●	●	●	●					●	●	●	●		●	●	●
Personal Care							●				●												
Personal Safety											●				●						●	●	●
Pipes, Tubes, Sheets & Profiles	●			●			●		●		●	●			●				●		●	●	●
Polymer Compounding	●	●	●	●	●		●	●	●			●	●	●	●	●		●	●	●	●	●	●
Sports Accessories				●											●				●			●	
Stationery	●										●				●			●					
Textile	●			●									●	●	●					●		●	●
Wire & Cable		●		●	●		●		●						●	●					●	●	●