POLY EDGE

Malaysia Origin PP & PE Grade List

PP Homo

Grades	MFR (2.16 g/10min)	Flexural Modulus (MPa)	Tensile Modulus (MPa)	Product Type	Process	Main Application
H 456HY / PH 402	1.8	1,400	-	Homopolymer	Yarn & thermoforming	Raffia, tapes, strapping
H 525JB / PH 503	3	1,500	-	Homopolymer	BOPP film	Biaxially Oriented Polypropylene Film (BOPP)
H 456JY / PH 404	3.4	1,400	-	Homopolymer	Yarn & thermoforming	Raffia, tapes, strapping, thermoforming
H 612MC / PH 607	7	-	1,900	Homopolymer	Cast film	Cast films, food packaging films, stationery films
H 525NW / PH 511	11	1,200	-	Homopolymer	Inflatable film	Food packaging films, textile packaging films
H 500NG / PH 512	12	1,300	-	Homopolymer	Injection molding	Furniture, houseware, containers, toys
H 561SS / PH 533	33	1,400	-	Homopolymer	Spunbound	Nonwovens, wipes/tissues, geotextile
H 648TT / PH 653	53	1,500	-	Homopolymer	Thin wall injection	Transparent thin-walled articles (TWIM)

(Basell Technology)

**Subject to grade availability*

PP Impact Copo

Grades	MFR (2.16 g/10min)	Flexural Modulus (MPa)	Tensile Modulus (MPa)	Product Type	Process	Main Application
B 300KG / PB 304	4	-	1,200	Impact Copolymer	Injection molding	Containers, housewares, battery casing, crates
B 300MG / PB 307	7	-	1,000	Impact Copolymer	Injection molding	Crates, housewares, automotive parts
B 340ST / PB 345	45	1,250	-	Impact Copolymer	Injection molding	Crates, containers, thin complex parts
B 548UK / PB 570	70	1,450	-	Impact Copolymer	Injection molding	Housewares, compounding, thin complex parts
B 548VK / PB 598	100	1,450	-	Impact Copolymer	Injection molding	Housewares, compounding, thin complex parts

(Basell Technology)

**Subject to grade availability*

PP Random

Grades	MFR (2.16 g/10min)	Flexural Modulus (MPa)	Tensile Modulus (MPa)	Product Type	Process	Main Application
R 348TT / PR 348	48	950	-	Random Copolymer	High flow Injection	Housewares, clear containers, sports, toys
R 340NG / PR 311	11	1,000	-	Random Copolymer	Injection molding	Housewares, clear containers, sports, toys

(Basell Technology)

**Subject to grade availability*

PP Terpolymer

Grades	MFR (2.16 g/10min)	Flexural Modulus (MPa)	Tensile Modulus (MPa)	Product Type	Process	Main Application
T 129KB / PT 106	6	700	-	Terpolymer	BOPP film	Heat sealing layer for consumer and food packaging films
T 128MC / PT 108	8	700	-	Terpolymer	Cast film	Heat sealing layer for consumer and food packaging films

(Basell Technology)

**Subject to grade availability*

HDPE

Grades	MFR (5.0 g/10min)	MFR (21.6 g/10min)	Density	Process	Main Application
AMT 9254 F / HD 5409	0.3	8.8	954	Blown Film	High speed and thin films for food packaging, carrier bag, merchandise bags and heavy duty flexible packaging
AMT 9255 F / HD 5712	0.4	12	957	Blown Film	High speed and thin films for food packaging, carrier bag, merchandise bags and heavy duty flexible packaging
AMT 5431 B / HD 5403	-	2.5	954	Blow Molding	L-Ring Drum and open top drums for dangerous goods, UN rated containers
AMT 5531 B / HD 5410	0.1	9.5	952	Blow Molding	Jerrycan and medium sized bottle for industrial and household chemicals
AMT 5331 B / HD 5206	-	6.5	952	Blow Molding	Large Jerrycan and open top drums for industrial and household chemicals
AMT 5831 B / HD 5822	1.2	22	958	Blow Molding	Thinwall bottle of small and medium size bottle for personal care, detergent, toiletaries etc.
AMT 5231 B / HD 5223	1.2	19	950	Blow Molding	Small and medium size bottle for personal care, lubricants, detergents, toiletaries, pharmaceutical
AMT 100 P / HD 5902 B	0.23	6.4	959	Pressure Pipe	PE100 pressure pipe for drinking water, gas pipe, industrial pipe, soil amd waste pipes
AMT 5052 P / HD 5407	0.72	-	954	Non Pressure Pipe	Non pressure pipe, sewerage pipe etc.

(Basell Technology)

**Subject to grade availability*

LLDPE

Grades	MFR (5.0 g/10min)	Density (kg/m3)	Slip/AB	Process	Main Application
C4 LL 0209 AP / LL 4201 A	0.9	920	Barefoot	Film	Food packaging, industrial packaging, garment bags and lamination films
C4 LL 0209 SP / LL 4211 S	0.9	920	With Slip / Anti Block	Film	Food packaging, industrial packaging, garment bags, lamination films and heavy duty bags
C4 LL 0220 AA / LL 0220 AP	2	920	Barefoot	Film	Cating and lamination films, food packaging, blended films, shrink wrap.
C4 LL 0220 SA / LL 0220 SP	2	920	With Slip / Anti Block	Film	Food packaging, industrial packaging, garment bags, lamination films and heavy duty bags
C6 LL 6209 AA / LL 6201 A	0.9	920	Barefoot	Film	Heavy duty sacks, agricultural films, food packaging, refuse sacks etc.
C6 LL 6209 SA / LL 6211 S	0.9	921	With Slip / Anti Block	Film	Heavy duty sacks, liner, food packaging etc.
C6 LL 6220 AA / LL 6202 A	2.0	921	Barefoot	Film	Stretch film; core layer
C6 LL 6130 AA / LL 6203 A	3.0	920	Barefoot	Film	Cast stretch film
C6 LL 6840 UA / LL 6384 U	3.8	938	with UV	Rotation Molding	Indoor and outdoor rotomoulded item
mLL UP 6212 AA / 6201 A	1.2	920	Barefoot	Film	Heavy duty sacks, food packaging, agriculture films, refuse bag
mLL SF 6612 AA / 6261 A	1.2	926	Barefoot	Film	Heavy duty sacks, food packaging, agriculture films, refuse bag
mLL SF 6220 AA / 6202 A	2.0	920	Barefoot	Film	Heavy duty sacks, food packaging, agriculture films, refuse bag
mLL SF 6130 AA / 6212 S	3.5	918	Barefoot	Film	Cast stretch film
mLL UP 6130 AA / 6184 A	3.5	918	Barefoot	Film	Cast stretch film

(Ineos Technology)

**Subject to grade availability*

Click button below to download a copy of **Malaysia Origin PP & PE Grade List**

Download Grade List

For enquiries, please contact : -

Brandon Chan
Poly Edge Sdn Bhd (Malaysia)
Office: **(+6) 03 6090 9838**
Fax: **(+6) 03 6090 9866**
Mobile: **(+6) 012 385 9268**
Email: **brandon@polyedge.com.my**