



REFINED OIL PRODUCTS TRADING LLC.



An aerial photograph of an oil rig and a ship on the ocean. A large red circle is overlaid on the image, containing the company name. The rig is a complex of metal structures with cranes, and the ship is a large vessel with a white hull and orange accents.

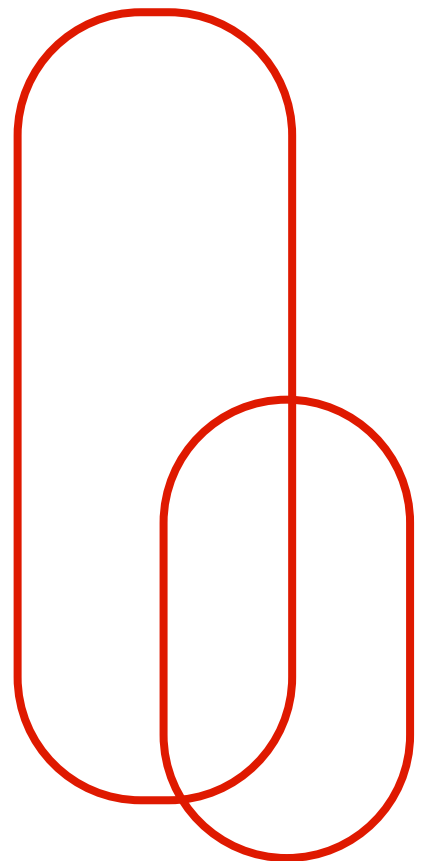
MHZ REFINED OIL PRODUCTS TRADING L.L.C



ABOUT MHZ

MHZ is a reputable company that exports and distributes oil derivatinn chemical compounds and pharmaceutical raw materials that has started its activity since 1980s. our company which takes firm steps n this sector determines the most accurate ingredients and offers the appropriate chemical petroleum and raw materials of pharmaceutical.

we partner manufacturers both domestically and internationally to provide costeff-ective alternatives focousing on the needs of all sizes





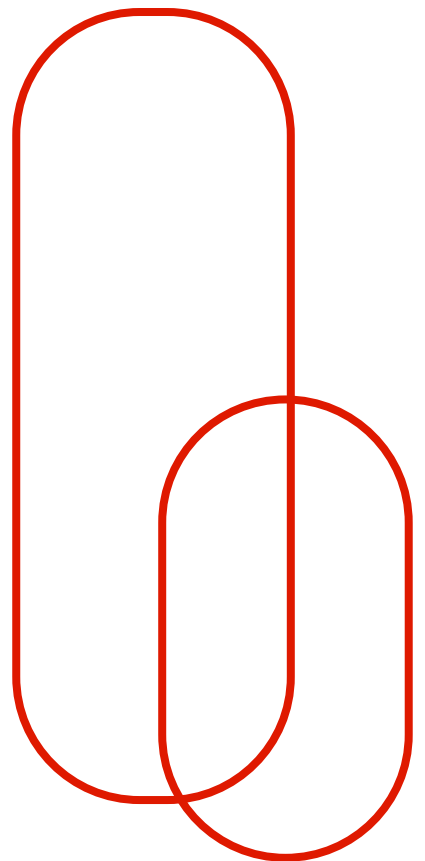
Specification and application of bottle grade products

row	Test parameter grid name	Intrinsic viscosity (dL/g)	DIETHYLENE GLY- COL CONTENT (%WT)	Color parameter *l *b		Melting point (℃)	Application of products
Routine products							
1	BG-730 S	0.73 ± 0.03	≤ 1.5	≥ 95	≤ 1	249 ± 3	Monofilament yarn production
2	BG-730 N	0.73 ± 0.03	≤ 1.8	≥ 90	≤ 2	249 ± 3	
3	BG-780 S	0.780 ± 0.02	≤ 1.5	≥ 95	≤ 1	249 ± 3	Production of mineral water bottles and production of food packaging films by thermoforming method (thermo forming)
4	BG-780 N	0.780 ± 0.02	≤ 1.8	≥ 90	≤ 2	249 ± 3	
5	BG-800 S	0.8 ± 0.02	≤ 1.5	≥ 95	≤ 1	249 ± 3	Production of various bottles for storing beverages and liquid oils
6	BG-800 N	0.8 ± 0.02	≤ 1.8	≥ 90	≤ 2	249 ± 3	
7	BG-820 S	0.82 ± 0.02	≤ 1.5	≥ 95	≤ 1	249 ± 3	Production of various types of bottles for storing liquid oils carbonated soft drinks, and containers for holding various cleaning and hygiene products
8	BG-820 N	0.82 ± 0.02	≤ 1.8	≥ 90	≤ 2	249 ± 3	
9	BG-840 S	0.84 ± 0.02	≤ 1.5	≥ 95	≤ 1	249 ± 3	Production of large containers (one gallon capacity) for storing liquids
10	BG-840 N	0.84 ± 0.02	≤ 1.8	≥ 90	≤ 2	249 ± 3	
11	AM S	0.63± 0.03	≤ 1.5	≥ 80	≤ 0	249 ± 3	Intermediate product for use in solid polymerization section and application in the fiber industry with limited responsibility
12	AM N	0.63± 0.03	≤ 1.8	≥ 75	≤ 1	249 ± 3	
Production based on customer demand							
13	BG-760 S	0.750≤ I.V ≤ 0.775	≤ 1.5	≥ 95	≤ 1	249 ± 3	Production of mineral water bottles and productionof food packaging films: using the thermoforming method (thermo forming)
14	BG-760 N	0.750≤ I.V ≤ 0.775	≤ 1.8	≥ 90	≤ 2	249 ± 3	
15	FG-640	0.64 ± 0.02	1.1 ± 0.15	≥ 90	≤ 3	255 ± 3	Food packaging industry , electronics industry, design and decoration
16	FH-780/800/820/840 S	0.76 ≤ I.V ≤ 0.86	≤ 1.5	≥ 95	≤ 1	249 ± 3	Carbonated drinks and mineral water bottles, edible oil, fruit juice, sports drink bottles, cosmetics and large-volume containers
17	FH-780/800/820/840 N	0.76 ≤ I.V ≤ 0.86	≤ 1.8	≥ 90	≤ 2	249 ± 3	



Specifications and applications of fiber grade products

row	Tested par ameter grid name	Intrinsic viscosity (dL/g)	Amount of diethylene glycol (%wt)	Color parameter		Melting point (°C)	Amount of titanium dioxide	Application of products
				*I	*b			
ROUTINE PRODUCTS								
1	TG-640 S	0.64 ± 0.01	0.9 ≤ DEG ≤ 1.2	≥ 95	≤ 3.5	255 ± 3	0.3 ± 0.05	Fiber grade for the production of various yarns, fabrics, and garments with a semi-matte finish
2	TG-640 N	0.64 ± 0.015	0.9 ≤ DEG ≤ 1.4	≥ 90	≤ 4.5	255 ± 3	0.3 ± 0.05	
3	TG-640(SB) S	0.64 ± 0.01	0.9 ≤ DEG ≤ 1.2	≥ 85	≤ 2.5	255 ± 3	—	Fiber grade for the production of various yarns, fabrics, and garments with a glossy finish
4	TG-640(SB) N	0.64 ± 0.015	0.9 ≤ DEG ≤ 1.4	≥ 75	≤ 4.5	255 ± 3	—	
Production according to customer demand								
5	TG-620 S	0.62 ± 0.01	0.9 ≤ DEG ≤ 1.2	≥ 95	≤ 3.5	255 ± 3	0.3 ± 0.05	Production of various yarns, fabrics, and garments with a semi-matte finish
6	TG-620 N	0.62 ± 0.015	0.9 ≤ DEG ≤ 1.4	≥ 90	≤ 4.5	255 ± 3	0.3 ± 0.05	
7	TG-620(SB) S	0.62 ± 0.01	0.9 ≤ DEG ≤ 1.2	≥ 85	≤ 2.5	255 ± 3	—	Production of various yarns, fabrics, and garments with a glossy finish
8	TG-620(SB)N	0.62 ± 0.015	0.9 ≤ DEG ≤ 1.4	≥ 75	≤ 4.5	255 ± 3	—	
9	TG-640(MOD) S	0.64 ± 0.01	0.9 ≤ DEG ≤ 1.2	≥ 95	≤ 3.5	255 ± 3	0.3 ± 0.05	Production of various yarns, fabrics and garments with a semi-matte finish,featuring improved spinning properties and the ability to produce very fine yarns (micro filament)
10	TG-640(MOD) N	0.64 ± 0.015	0.9 ≤ DEG ≤ 1.4	≥ 90	≤ 4.5	255 ± 3	0.3 ± 0.05	
11	TG-640(MOD-SB) S	0.64 ± 0.01	0.9 ≤ DEG ≤ 1.2	≥ 85	≤ 2.5	255 ± 3	—	Production of various yarns, fabrics and garments with a glossy finish,featuring improved spinning properties and the ability to produce very fine yarns (micro filament)
12	TG-640(MOD-SB) N	0.64 ± 0.015	0.9 ≤ DEG ≤ 1.4	≥ 75	≤ 4.5	255 ± 3	—	
13	TG-640(HB) S	0.64 ± 0.01	0.9 ≤ DEG ≤ 1.2	≥ 85	≤ 2.5	255 ± 3	—	Production of continuous, transparent and non-matte yarns, an ideal alternative to Super Bright product with enhanced capabilities
14	TG-640(HB) N	0.64 ± 0.015	0.9 ≤ DEG ≤ 1.4	≥ 75	≤ 4.5	255 ± 3	—	
15	TG-640(OB) S	0.64 ± 0.01	0.9 ≤ DEG ≤ 1.2	≥ 95	≤ 3.5	255 ± 3	0.3 ± 0.05	Production of various yarns and fabrics with high brightness and shine in a matte finish
16	TG-640(OB) N	0.64 ± 0.015	0.9 ≤ DEG ≤ 1.4	≥ 90	≤ 4.5	255 ± 3	0.3 ± 0.05	
17	TG-640(AB)	0.64 ± 0.015	0.9 ≤ DEG ≤ 1.4	≥ 80	≤ 4.5	255 ± 3	0.3 ± 0.05	Special fiber grade with antibacterial properties for the production of various antibacterials yarns and fibers
18	TG-640(FR)	0.65 – 0.69	≤ 2/5	≥ 75	≤ 4.5	245 ± 3	—	Production of yarns and fibers with flame retardant properties
19	TG-670 S	0.67 ± 0.015	0.9 ≤ DEG ≤ 1.2	≥ 95	≤ 3.5	255 ± 3	0.3 ± 0.05	Production of high-strength yarn (such as black tents)
20	TG-670 N	0.67 ± 0.015	0.9 ≤ DEG ≤ 1.4	≥ 95	≤ 4.5	255 ± 3	0.3 ± 0.05	



Technical Specifications Of Polyester Fibers

Parameters	Unit	Range	PSFA	PSFB	Method
Fiber grade	dtex	1.38–1.58	1.48 ± 0.1	1.48 ± 0.1	NVT020
viscosity	cN/dtex	≥ 6.1	≥ 6.1	≥ 5.5	NVT021
Elongation	%	≤30	≤30	≤35	NVT021
Shrinkage percentage	%	2.5–6.5	4.5 ± 2	4.5 ± 2	NVT022
Number of wrinkles	N/cm	3.5–4.5	4 ± 0.5	4 ± 1	NVT026
wrinkle stability	%	≥ 50	≥ 65	≥ 55	NVT027
Percentage of color defects	wt%	0–0.005	≤0.005	≤0.5	NVT028
Oil content	wt%	0.12–0.18	0.2 ± 0.02	0.165 ± 0.0.015	NVT017
Cut length	mm	37–39	38 ± 1	38 ± 3	NVT029
Percentage of long fibers	No./gr	≤ 20=A Grade ≤ 30=B Grade	≤ 20	≤ 30	NVT030
moisture percentage	wt%	≤ 0.40	≤ 0.40	≤ 0.40	NVT023
polymer color L*	---	≥ 90.0	≥ 90.0	≥ 90.0	ASTM D6290–5
polymer color b*	---	≤ 4.0	≤ 4.0	≤ 4.0	ASTM D6290–5





Technical Specifications Of Polyester Yarns


Parameters	Unit	120/36	160/36	160/48	250/48	500/96
yarn count	dtex	130–136	174–180	174–180	270–280	540–560
percentage of yarn count variation coefficient	%	0–2	0–2	0–2	0–2	0–2
filament	NO	36	36	48	48	96
elongation	%	125–135	123–133	125–135	125–135	135–145
percentage of elongation variation coefficient	%	≤5	≤5	≤5	≤5	≤5
viscosity	cN/dtex	≥2	≥2	≥1.95	≥1.95	≥1.9
uniformity	% U	≤1.5	≤1.5	≤2	≤1.6	≤1.5
number of interminglings	NO/M	≥3	≥3	≥3	≥3.0	≥5.0
percentage of bobbin stiffness	%	50–55	50–55	28–42	28–42	45–55
oil content	%	0.32–0.42	0.35–0.45	0.4–0.5	0.4–0.5	0.45–0.55
percentage of filament shrinkage	%	60–70	60–70	60–70	60–70	60–70
polymer color L*	---	min 90	min 90	min 90	min 90	min 90
polymer color b*	---	max 3.7	max 3.7	max 3.7	max 3.7	max 4.0




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