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## MARINE FUEL OIL type DMB (MDO)

( ST 4 / 2006 )

Custom Code: 2710.19.99

### TECHNICAL SPECIFICATIONS

CHARACTERISTICS	QUALITY TECHNICAL CONDITIONS	ANALYSIS METHOD	
		ISO	ASTM
Density at 15 °C kg/m <sup>3</sup> , max.	880	3675	D 1298/85
Viscosity at 40 °C, mnVVs	6-11	3104	D 445 / 96
Cetanic index, min.	50	4264	D 976-91
Flash point, °C min.	60	2719	D 93 / 97
Sulphur, % (m/m), max.	0.4	8754	D 4294 / 90
Water, % (v/v) max.	0.3	3733	D1744
Total sediment, % (m/m) max.	0.1	10307-1	-
Aspect	clear	visual	visual
Pour point, °C			
- winter max.	0	3016	D 97-96
- summer max.	6		
Ash content % max.	0.01	6245	D 482 / 95
Carbon residuum (in 10% distilled residuum ) %, max.	0.1	6615	D 189/97
Total acidity number (TAN), mg KOH/g max.	0.5	6618	D 974 / 97
Low calorific power kcal/kg min.	9800	8217	-

#### 1. GENERAL DESCRIPTION:

Present specification are referring to the MARINE FUEL OIL type DMB produced by mixing of heavy oil fractions obtained by atmospheric distillation with fractions from secondary crude oil processing.

#### 2. APPLICATIONS:

This product is used as combustible for maritime vessels as per technical specifications.

*End users are sole responsible for not using the product in accordance with producer's prescriptions and import country legislation in force.*

#### 3. PACKAGING - STORAGE:

The packaging, marking and storage shall be made as per stipulations of Romanian standard STAS 4225/79 and of Material Safety Data Sheet. Product has to be delivered only in clean suitable means of transportation, each lot being accompanied by quality, quantity certificates and transport safety data sheet. Quality is guaranteed for 3 (three) months starting from producing date, stipulated storage conditions have to be observed.

#### 4. SAFETY MEASURES:

As product is flammable, usual caution measures of fire prevention have to be taken when handling and storing this product.