

## Rubber Process Oils EXDO-4

High quality rubber process oil for Rubber & Tire industries, non-carcinogenic with total PAH content less than 10 ppm. PAH analysis was carried out by the Biochemical Institute for Environmental Carcinogens, Germany. REACH Registration 01-2119488175-30-0023.

EXDO-4 is produced in Pertamina Cilacap Refinery RU-IV, and is offered in bulk, with tank truck for local delivery of  $\pm 7$  MT (half) or  $\pm 14$  MT (full) tank, and 24-26 KL isotank for export delivery.

Properties	Method	Specification	Typical
Specific Gravity at 15°C	ASTM D-1298	0.950 – 1.000	0.9785
Flash Point COC in °C	ASTM D-92	Min. 210	250
Pour Point in °C	ASTM D-97	Max 24	21
Aniline Point in °C	ASTM D-611	Max 85.0	77.5
Refractive Index at 20°C	ASTM D-1218	1.5400 – 1.5650	1.5495
Viscosity Kinematic at 40°C in cSt	ASTM D-445	1,000 - 3,000	1,600
Viscosity Kinematic at 100°C in cSt	ASTM D-445	40.00 – 50.00	41.80
Viscosity Gravity Constant	ASTM D-2501	0.8600 – 0.9500	0.8975
Sulphur Content in %	ASTM D-2622	Max. 7.00	3.55
Carbon Ring Analysis CA %	ASTM D-2140	Min 25.0	32.0
CN %	ASTM D-2140	As Reported	21.0
CP %	ASTM D-2140	As Reported	47.0
Polycyclic Aromatic in %	IP 346	As Reported	9.42
Benzo[a]pyrene in ppm	BIU Method	Max 1.0	
Sum PAH Content in ppm	BIU Method	Max 10.0	

