



**Tabriz Petroleum  
of Aras Free Zone**  
*Resilience in Every Barrel We Refine*

## Technical Data Sheet Bitumen

Cas No. 8052-42-4

| Property/Unit                          | 40-50<br>Value  | 50-70<br>Value  | 60-70<br>Value  | 70-100<br>Value | 85-100<br>Value | Ref. Test<br>Method |
|----------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|
| Specific Gravity @<br>25/25 °C         | 1.010-<br>1.080 | 1.010-<br>1.070 | 0.990-<br>1.050 | 0.990-<br>1.050 | 0.990-<br>1.050 | ASTM D70            |
| Penetration @ 25 °C                    | 40-50           | 50-70           | 60-70           | 70-100          | 85-100          | ASTM D5             |
| Softening Point °C                     | 52-60           | 46-54           | 49-56           | 43-51           | 45-52           | ASTM D36            |
| Ductility @25°C                        | 70 min          | 100 min         | 100 min         | 10 min          | 100 min         | ASTM D70            |
| Loss on heating<br>%wt.                | 0.2 max         | 0.2 max         | 0.2 max         | 0.2 max         | 0.5 max         | ASTM D113           |
| Drop in penetration<br>after heating % | 20max           | 20max           | 20max           | 20max           | 20max           | ASTM D6             |
| Flash Point °C                         | 232°C<br>min    | 230°C min       | 250°C min       | 230°C min       | 225°C min       | ASTM D92            |
| Solubility in THC<br>%wt.              | 98 min          | 98.5 min        | 98.5 min        | 98.5 min        | 98.5 min        | ASTM D4             |
| Spot test                              | Negative        | Negative        | Negative        | Negative        | Negative        | A.A.S.H.O.T<br>102  |



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PLANT ADD: HEAVY INDUSTRIES SITE, AVOGHLI ROAD, ARAS FREE ZONE, JOLFA, IRAN

OFFICE ADD: No.3, F3, VALIASR TRADING COMPLEX, QANUN ST., VALIASR, TABRIZ, IRAN