



united chemical products

<http://www.petro-chemicals.com>

**SPECIFICATION**

**EFROLEN (high-molecular weight polyisobutylene)**

Efrolen	Appearance	acc. to Staudinger, x 10 <sup>3</sup>	Viscosity of iso-octane solution at 20°C		Relative molecular mass		Ash content, max, %	Stabilizer non- staining, max, %	Volatile matter at 105°C, max, %
			Concentration. g/cm <sup>3</sup>	Staudinger Index (I <sub>o</sub> ), cm <sup>3</sup> /g	*Number- Average Molecular Mass (M <sub>n</sub> ), x 10 <sup>3</sup>	* Viscosity- Average Mo- lecular Mass (M <sub>v</sub> ), x 10 <sup>3</sup>			
P-50 EF	Rubber-like	47-63	0.002	120-160	105-144	338-526	0.04	0.04	0.5
P-80EF	Rubber-like	71-94	0.002	178-236	161-217	619-956	0.04	0.04	0.5
P-85 EF	Rubber-like	59-104	0.002	150-260	134-241	476-1110	0.04	0.04	0.5
P-100 EF	Rubber-like	104-131	0.002	260-325	192-305	900-1564	0.04	0.04	0.5
P-118 EF	Rubber-like	106-159	0.002	265-395	246-376	1143-2112	0.04	0.04	0.5
P-155 EF	Rubber-like	153-206	0.001	380-510	361-493	1989-3128	0.04	0.04	0.5
P-220 EF	Rubber-like	170-243	0.001	420-600	401-586	2321-4017	0.04	0.04	0.5

Colour is ranging from white to grey.

\* One of the following values may be indicated in Certificate of Analysis on customer request:

- molecular mass acc. to Staudinger
- number-average molecular mass (M<sub>n</sub>)
- viscosity-average molecular mass (M<sub>v</sub>)

**This specification applies to high-molecular polyisobutylene produced on GOST 13303-86 and exported. At the request of customers the specification involves expanded range of product and complementary product quality ratings.**