



united chemical products

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### PIB Industry grades

ITEM		UNIT	SDG-8350	SDG-8450	SDG-8550	SDG-8650	SDG-8750	SDG-8850	SDG-8950
Viscosity Average Molecular Weight (Mv)		g/mol	35000± 5000	45000± 5000	55000± 5000	65000± 5000	75000± 5000	85000± 5000	95000± 5000
Refractive Index		N <sup>20</sup> /D	1.507	1.507	1.508	1.508	1.509	1.509	1.510
Pour Point		°C	62	75	92	108	123	139	155
Density (15°C)		g/cm <sup>3</sup>	0.92						
Appearance			Transparent, without foreign substances						
Flash point		°C	247						
Volatility (105°C, 2h)		wt%	≤1.0						
GPC	Weight Average (Mw)	g/mol	50000	60000	70000	80000	90000	100000	110000
	Average Weight Distribution		3.0						
Staudinger Index		cm <sup>3</sup> /g	21-25	25-30	30-34	32-37	39-43	43-46	46-52
Viscosity (150°C)		mPa.s	35000	45000	100000	145000	160000	200000	230000
Electrical Properties	Power Factor		1 × 10 <sup>-5</sup>						
	Resistivity		50 × 10 <sup>14</sup>						
	Dielectric Constant		2.0						