

COMPONENTS

HiTEC[®] 5738

Dispersant Polymethacrylate Viscosity Index Improver



For Automatic, Manual and Continuously Variable Transmission Applications

HiTEC® 5738 Dispersant Polymethacrylate Viscosity Index Improver

For Automatic, Manual and Continuously Variable Transmission Applications

Application

HiTEC® 5738 viscosity index improver is a highly shear stable dispersant methacrylate polymer recommended for automatic, manual and continuously variable transmission (CVT) applications.

Key Performance Benefits

- Excellent solubility in solvent neutral oils and hydrocracked basestocks

Recommended Dosage

As dosages can vary with application and base oil mix, our technical support team will promptly provide you with a custom formulation for your needs. Please contact your Afton Chemical representative for specific recommendations.

Typical Characteristics

Appearance	Clear to slightly hazy yellow to amber viscous liquid
Density, lbs/gal.	7.83
Specific Gravity @ 15.6/15.6°C	0.94
Kinematic Viscosity @ 100°C, cSt	620
Flash Point, C° (PMCC)	120 min.

Handling Information

Max Handling Temp: 100°C (210°C)
Shelf Life: 36 months @ ambient temperature

Shear Stability					
30 Cycle Bosch		20 Hr. KRL		40 Min. Sonic	
P-SSI	% Vis. Loss	P-SSI	%Vis. Loss	P-SSI	% Vis. Loss
<1	0	38	14	20	7

Viscometric Performance in Group I Base Oils												
	70N Oil			100N Oil			150N Oil			600N Oil		
Wt% HiTEC® 5738	0	5	10	0	5	10	0	5	10	0	5	10
Viscosity at 100°C, cSt	3	4.28	5.931	4.1	5.637	7.678	5.2	7.47	9.62	12.24	15.78	20.12
Viscosity at 40°C, cSt	12.8	18.04	25.15	20.2	27.67	37.87	30.6	41.28	55.57	114.6	142.2	177.6
Viscosity Index	88	150	195	95	149	178	99	149	159	97	116	132
Pour Point, °C	-17	-60	-51	-18	-51	-48	-15	-45	-57	-6	-6	-6
Viscosity @ -35°C, cP	---	3800	4900	---	9700	11000	---	26000	31000	---	---	---