



FPC 6338

TYPICAL POLYMER PROPERTIES*

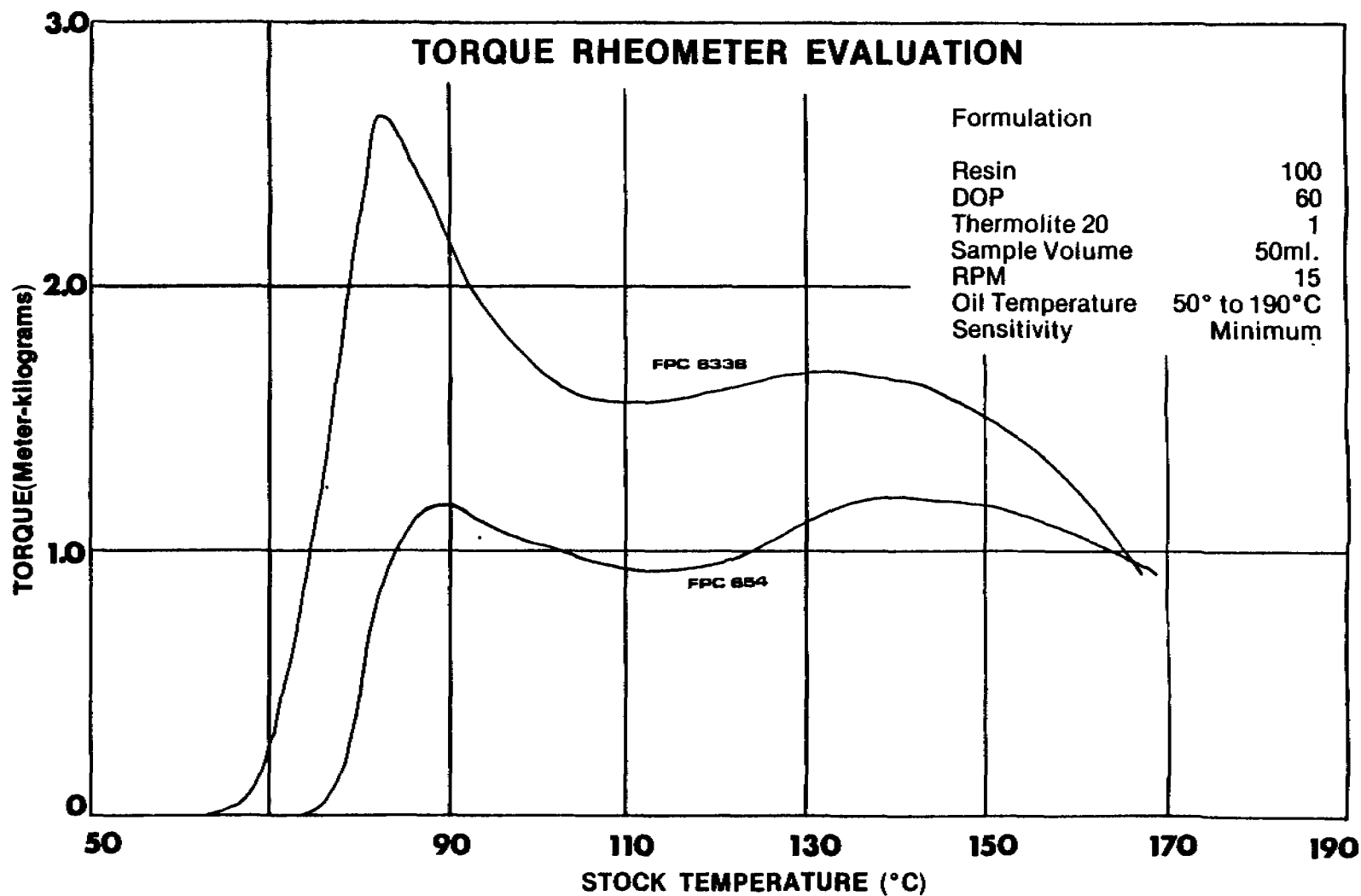
FPC 6338 is a medium molecular weight vinyl chloride/vinyl acetate copolymer dispersion resin. It is designed for processing at low fusion temperatures. FPC 6338 has found wide acceptance in such applications as coatings for polyolefins and other heat sensitive fabrics, vinyl foams, dip coatings, spray coatings, rotational castings, slush molding and specialty applications such as vinyl stencil inks.

FPC 6338 combines extremely low Brookfield paste viscosities with fast gelation-fusion characteristics. The low viscosity allows usage of higher concentrations of extender materials, i.e., blending resins and fillers. It should be remembered, however, that the use of extenders will have an effect upon ultimate tensile properties. Figure 1 graphically depicts the gelation-fusion characteristics of FPC 6338 as compared to other general purpose dispersion resins.

FPC 6338 is well defined in F & DA Regulations 121-2514, 121-2520, 121-2526, 121-2571, 121-2550. It is understood, however, that the formulator must satisfy himself that his final formulation meets the regulative requirements of the Food and Drug Administration.

Relative Viscosity (1% in Cyclohexanone @25°C.)	2.50
Inherent Viscosity (ASTM D-1243-66)	1.08
Hot Melt Viscosity, M-Kg @ 10 Minutes (Firestone Control Test C-157a)	0.70 (172°C)
Specific Gravity	1.38
Brookfield Viscosity Range Firestone Control Test C-15e)	30-50
Extrusion Rheometer Viscosity Range, 10 to 80 psig, poises (Firestone Control Test C-66b)	80-160
Ultimate Tensile Strength, psi (ASTM D-412), when fused at	
120°C. (248°F.)	600
150°C. (302°F.)	1900
180°C. (356°F.)	2300
210°C. (410°F.)	2300
Volume Resistivity, ohm-cm x 10 ⁸ @ Room Temperature	2190
@ 60°C. (ASTM D-257-66)	113
ASTM Classification (ASTM D-1755-66)	D3-23

*These values are not to be considered specifications



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