

ADTEXTM FT71A

PE – based Tie Resin



PRODUCT BULLETIN

1) Profile

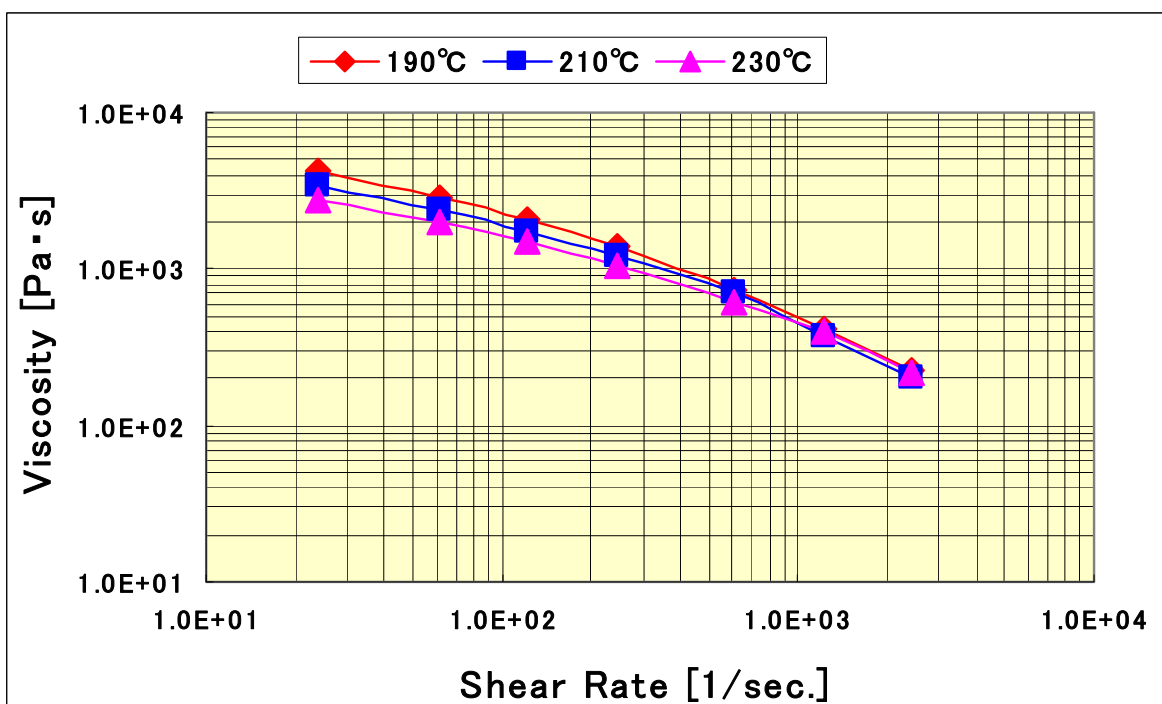
Grade:	ADTEX TM FT71A
Base Resin:	LLDPE
Type:	High Performance Tie-Resin
Co-extruded resin:	PE / EVOH, PE / PA
Application:	Multi-layer Plastic Fuel Tank, Tubes and Components

2) Physical Properties

Item	Test method	Unit	Value
MFR (190°C, 21.2N)	ISO 1133	g/10min.	0.8
Density	ISO 1183, Method A	g/cm ³	0.92
Tensile stress at yield	ISO 527 Type 1A 50 mm/min	MPa	12
Tensile stress at break		MPa	27
Nominal tensile strain at break		%	850
Flexural Modulus(23°C)	ISO 178	MPa	430
Charpy Impact Strength(-40°C)	ISO 179	KJ/m ²	15
Melting Temperature	MCC Method (DSC peak)	°C	123
Vicat Softening Point	ISO 306 10N load, 50°C/hr	°C	103

These values above are all typical measurement data, not specification

3) Viscosity Data



4) Processing


Recommended Temperature Profile for **PA6 / ADTEX™** co-extrusion


	C1	C2	C3	Joint	Die
PA6-Cylinder	230 °C	250 °C	250 °C	250 °C	250 °C
ADTEX™ -Cylinder	190 °C	210 °C	210 °C	210 °C	


Recommended Temperature Profile for **EVOH / ADTEX™ / PE** co-extrusion


	C1	C2	C3	Joint	Die
EVOH-Cylinder	190 °C	210 °C	210 °C	210 °C	210 °C
ADTEX™ -Cylinder	190 °C	210 °C	210 °C	210 °C	
PE-Cylinder	190 °C	210 °C	210 °C	210 °C	

These temperature profiles are just our recommendations. Some adjustments would be required depending upon the characteristics of co-extruded polymers (barrier resins). We suggest that the barrel temperature profile of ADTEX™ be controlled between 200 °C and 230 °C

 MCPP Germany GmbH
Willstätterstr. 30
40549 Düsseldorf, Germany

 MCPP Inc.
350 North Buckeye Street,
Bellevue, Ohio 44811, USA

 MCPP(China) Co., Ltd
N°148 Huashan Rd., P.C.215129
Suzhou New District, China

 Mitsubishi Chemical Corporation
1-1 Marunouchi 1-chome, Chiyoda-ku
Tokyo 100-8251, Japan

ADTEX™ is a registered trademark of Japan Polyethylene Corporation, licensed by Mitsubishi Chemical Corporation. The information contained herein is, to the best of our knowledge, true and accurate based on tests or experience that we believe are reliable, but all recommendations or suggestions are made without any guarantee, since the conditions of use are beyond our control. There is no warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose of our products. In submitting this information, no liability is assumed by us and no license or other rights express or implied are given to the user with respect to any existing or pending patent, patent applications or trademarks. The observance of all legal regulations and patents is the responsibility of the user. We shall not be liable for loss or damages, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including negligence, warranty, tort or strict liability.

© 2005 Mitsubishi Chemical Corporation. All rights reserved.