

Geon™ FIT E 51

Polyvinyl Chloride Homopolymer

Mexichem Specialty Resins, Inc.

Описание материалов:

Geon® FIT E 51 is a medium molecular weight homopolymer resin intended for use as a Formulation Improvement Tool (FIT) in plastisol formulations which enhance the plastisol usage (pot life) and reduce the viscosity aging characteristics. This resin increases the physical properties of end application up to 30% compared to traditional blending resins. It allows the addition of up to 40phr of filler, significantly decreasing formulation costs. It improves air release properties, provides faster de-aeration time and reduces scrap rates caused by the presence of air bubbles or voids in finished part. This resin reduces the viscosity profile of the plastisol providing an improved 'ease of coating' performance resulting a more uniform plastisol coating and improving line up time.

Geon® FIT E 51 is recommended for solid and foamed plastisol applications for instance coated fabrics and carpet tiles, cast films and coatings, rotationally and slush molded parts, dip molded and coated parts, and walk off and foam mats and pads.

Главная Информация			
Формы	Порошок-1 шт.		
Физический	Номинальное значение	Единица измерения	Метод испытания
Удельный вес	1.40	g/cm ³	ASTM D792
K-Value ¹	67.0		Internal method
Видимая свободная плотность ²	0.530	g/cm ³	Internal method
Внутренняя вязкость ³	0.92		ASTM D1243-60-A
Размер частиц			Internal method
< 52 micron ⁴	95.0	%	Internal method
< 74 micron ⁵	99.0	%	Internal method
Average Particle Size ⁶	30.0	µm	Internal method
Relative Viscosity ⁷	2.23		Internal method
Дымка-Плавленый 5 минут @ 350F ⁸	58	%	Internal method
Блеск-60 градусов, плавленый 5 минут @ 350F ⁹	16	%	Internal method
Вязкость брокфилда			Internal method
Initial Viscosity @ 2 rpm ¹⁰	2.30	Pa·s	Internal method
Initial Viscosity @ 20 rpm ¹¹	2.40	Pa·s	Internal method
One Day Viscosity @ 2 rpm ¹²	2.40	Pa·s	Internal method
One Day Viscosity @ 20 rpm ¹³	2.45	Pa·s	Internal method
Отрежьте отток-95 фунтов на квадратный дюйм ¹⁴	504.00	g/10 min	Internal method
Остаточный винилхлорид мономер ¹⁵		ppm	Internal method
Испарители ¹⁶	0.070	%	Internal method
Процесс полимеризации	Suspension		
Температура геля ¹⁷	91	°C	Internal method
Виниловый диффузор ¹⁸	95.0	µm	Internal method
Дополнительная информация	Номинальное значение	Единица измерения	Метод испытания

Note: The value set forth represent "typical" values and Mexichem Specialty Resins, therefore, makes no representation that the material in any particular shipment will conform to the listed properties. Packaging: This resin is shipped in multi-wall paper bags, net weight 50 lbs, 2500 lbs per pallet. Information shown on the package includes commercial identification number, lot and weight. Geon® ALTC (formulation): 60phr Geon® 121A, 40phr Geon® FIT E 51, 57phr DINP, 3phr ESO, and 2phr Therm-Chek SP 120 LOHF Geon® STP 1203 (formulation): 60phr Geon® 178, 40phr Geon® FIT E 51, and 60phr DOP

NOTE	
1.	Molten flow equivalent value
2.	Geon® STP 1169
3.	Molten flow equivalent value
4.	Geon® DFT 1466
5.	Geon® DFT 1466
6.	Geon® 812
7.	Molten flow equivalent value
8.	Geon® ATLC 66 (with provided formulation)
9.	Geon® ATLC 65 (with provided formulation)
10.	Geon® 1169
11.	Geon® ATLC 22 (with provided formulation)
12.	Geon® ATLC 22 (with provided formulation)
13.	Geon® ATLC 22 (with provided formulation)
14.	Geon® ATLC 23 (with provided Formulation)
15.	Geon® DFT 1005
16.	Bags, Geon®793
17.	Geon® ATLC 29 (with provided formulation)
18.	Geon® STP 1203 (with provided formulation)

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